We create chemistry

Safety data sheet

1. Substance/preparation and manufacturer/supplier identification

55-45 2K Primer Filler High Build

Use: Basecoat product

Manufacturer/supplier:
BASF New Zealand Ltd.
5E City Works Depot
77 Cook Street
Auckland Central, Auckland 1010
NEW ZEALAND
Telephone: +64 9 255-4300
Telefax number: +64 9 255-4307

Emergency information:
National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

2. Hazard identification

Classification of the substance and mixture:
Skin corrosion/irritation: Cat. 2
Serious eye damage/eye irritation: Cat. 2B
Specific target organ toxicity — repeated exposure: Cat. 2
Hazardous to the aquatic environment - acute: Cat. 3
Flammable liquids: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H320	Causes eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P260	Do not breathe dust or mist.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P273	Avoid release to the environment.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P337 + P313	If eye irritation persists: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

acrylic resin, fillers, organic solvent, pigment, epoxy resin

Hazardous ingredients

ethylbenzene

Content (W/W): >= 3 % - < 5 %	Asp. Tox.: Cat. 1
CAS Number: 100-41-4	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	STOT RE (Auditory organ): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

1-methoxy-2-propylacetate

Content (W/W): >= 5 % - < 7 %	Flam. Liq.: Cat. 3
CAS Number: 108-65-6	STOT SE: Cat. 3 (drowsiness and dizziness)

n-Butyl acetate

Content (W/W): >= 7 % - < 10 %	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

xylene

Content (W/W): >= 10 % - < 12.5 %	Asp. Tox.: Cat. 1
	Flam. Liq.: Cat. 3
CAS Number: 1330-20-7	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]

Content (W/W): >= 3 % - < 5 %
CAS Number: 25036-25-3

4. First-Aid Measures

General advice:
First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

If inhaled:
Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:
If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:
Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:
Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:
Symptoms: Eye irritation, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Treatment: Symptomatic treatment (decontamination, vital functions).
Antidote: No known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:
water jet

Specific hazards:
Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:
Appropriate breathing apparatus may be required.

Further information:
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental Release Measures

Personal precautions:
Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:
Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for diposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:
Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate)
Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

8. Exposure controls and personal protection

Components with occupational exposure limits

ethylbenzene, 100-41-4;
TWA value 20 ppm (ACGIHTLV)
TWA value 434 mg/m3 ; 100 ppm (OEL (NZ))
STEL value 543 mg/m3 ; 125 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;
STEL value 150 ppm (ACGIHTLV)
TWA value 50 ppm (ACGIHTLV)
TWA value 713 mg/m3 ; 150 ppm (OEL (NZ))
STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;
TWA value 100 ppm (ACGIHTLV)
STEL value 150 ppm (ACGIHTLV)
TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

Personal protective equipment

Respiratory protection:
Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:
Further information on penetration time is available from the manufacturer of the glove.
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).
Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.
nitrile gloves - material thickness: 0,7 mm

Eye protection:
Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:
Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:
Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene

and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

9. Physical and Chemical Properties

Form:	liquid	
Colour:	grey	
Odour:	product specific	
pH value:		
	substance/mixture is non-soluble (in water)	
Melting point:		
	not determined	
onset of boiling:		
	not determined	
Flash point:	25 °C	
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36.0 %(V)	
Ignition temperature:		
	not determined	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	5.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.400 g/cm3 (20 °C)	
Miscibility with water:		
	immiscible	
Viscosity, kinematic:	60.1 mm2/s (20 °C)	
	(40 °C) not determined	
Flow time:	47 s	(DIN EN ISO 2431; 4 mm)

10. Stability and Reactivity

Conditions to avoid:
Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Substances to avoid:
Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:
Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

Information on: ethylbenzene
Experimental/calculated data:
LD50 rat (oral): 3,500 mg/kg
Literature data.

Information on: xylene
Experimental/calculated data:
LD50 rat (oral): 3,523 mg/kg (similar to OECD guideline 401)

Information on: ethylbenzene
Experimental/calculated data:
LD50 rabbit (dermal): 15,354 mg/kg
Literature data.

Irritation

Assessment of irritating effects:
The liquid splashed in the eyes may cause irritation and reversible damage. Skin contact causes irritation.

Respiratory/Skin sensitization

Assessment of sensitization:
Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Assessment of mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity:
Based on available data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:
Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure):

Assessment of STOT single:
Based on available data, the classification criteria are not met.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
Repeated exposure may affect certain organs.

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

Mobility

Assessment transport between environmental compartments:
No data available.

Persistence and degradability

Assessment biodegradation and elimination (H2O):
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene
Elimination information:
70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate
Elimination information:
80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene
Elimination information:
87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Bioaccumulation potential

Bioaccumulation potential:
No data available.

13. Disposal Considerations

Observe national and local legal requirements.
No disposal via sewage or waste water systems.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Domestic transport:

Packing group:	III
ID number:	UN 1263
Transport hazard class(es):	3
Proper shipping name:	PAINT RELATED MATERIAL

Further information
Hazchem Code:3Y
IERG Number:14

Sea transport
IMDG

Packing group:	III
ID number:	UN 1263
Transport hazard class(es):	3
Marine pollutant:	NO
Proper shipping name:	PAINT RELATED MATERIAL

Air transport
IATA/ICAO

Packing group:	III
ID number:	UN 1263
Transport hazard class(es):	3
Proper shipping name:	PAINT RELATED MATERIAL

15. Regulatory Information

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.
Tracking requirements do not apply to this substance.
A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662
Surface Coatings and Colourants (Flammable) Group Standard 2017

16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

55-67 2K Primerfiller Fast VOC Grey

Version	Revision Date:	SDS Number:	Date of last issue: 08.06.2025
5.0	14.11.2025	000000000050680941	Date of first issue: 24.12.2024

Section 1: Identification

Product name : 55-67 2K Primerfiller Fast VOC Grey

Product code : 000000000050680941

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 3

Skin sensitization : Category 1

Reproductive toxicity : Category 2

Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)
Specific target organ toxicity - repeated exposure	:	Category 2 (Central nervous system)
Hazardous to the aquatic environment - chronic hazard	:	Category 3

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements :
H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs (Central nervous system) through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements :
Prevention:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe mist or vapors.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : fillers
organic solvent
pigment
acrylic resin
epoxy resin
inorganic compounds

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 20 -< 30
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 10 -< 20
Titanium dioxide	titanium dioxide	13463-67-7		>= 10 -< 20
Barium sulfate	barium sulfate	7727-43-7		>= 10 -< 20
toluene	toluene	108-88-3	Flammable liquids, Category 2 Skin corrosion/irritation, Category 2 Reproductive toxicity, Category 2 Specific target organ toxicity - single exposure (Central nervous system), Category 3 Specific target organ	>= 2.5 -< 10

			toxicity - repeated exposure (Central nervous system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	
1-methoxy-2-propylacetate	2-methoxy-1-methylethyl acetate	108-65-6	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 1 -< 10
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 0.25 -< 1
Oleylamine fatty acid salt	Fatty acids, C18-unsatd., trimers, compds. with oleylamine	147900-93-4	Acute toxicity (Oral), Category 4 Skin sensitization, Category 1 Specific target organ toxicity - repeated exposure, Category 2 Hazardous to the aquatic environment	>= 0.25 -< 1

			- chronic hazard, Category 2	
alkylammonium salt	Fatty acids, tall-oil, compds. with oleylamine	85711-55-3	Serious eye damage/eye irritation, Category 1 Skin sensitization, Sub-category 1A Specific target organ toxicity - repeated exposure, Category 2	>= 0.1 -< 1

Section 4: First-aid measures

General advice : Never give anything by mouth to an unconscious person.
Move out of dangerous area.
In all cases of doubt, or when symptoms persist, seek medical attention.
Immediately remove contaminated clothing.
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
First aid personnel should pay attention to their own safety.

If inhaled : If breathed in, move person into fresh air.

If breathing is irregular or stopped, administer artificial respiration.

If symptoms persist, call a physician.

In case of skin contact : Do NOT use solvents or thinners.

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

		If symptoms persist, call a physician.
In case of eye contact	:	If symptoms persist, call a physician. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If swallowed	:	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11. May cause an allergic skin reaction. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.
Notes to physician	:	Treat symptomatically. No known specific antidote.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Dry powder Carbon dioxide (CO2)

Water spray

Foam

Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).

Advice for firefighters

Specific extinguishing methods	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cool containers/tanks with water spray.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3Y

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet.
Environmental precautions	:	Do not allow uncontrolled discharge of product into the environment. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Ensure adequate ventilation. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against	:	Avoid all sources of ignition: heat, sparks, open flame.

fire and explosion		Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.
Advice on safe handling	:	Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors or spray mist.
Hygiene measures	:	Remove contaminated clothing immediately and dispose of safely.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions : Avoid direct sunlight.

Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel.

Always keep in containers of same material as the original one.

Observe label precautions.

Keep in a dry, cool and well-ventilated place.

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Packaging material : Suitable material: Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL

		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm 713 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
Titanium dioxide	13463-67-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	0.2 mg/m3 (Titanium dioxide)	ACGIH
		TWA (Respirable particulate matter)	2.5 mg/m3 (Titanium dioxide)	ACGIH
Barium sulfate	7727-43-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
toluene	108-88-3	WES-TWA	20 ppm 75 mg/m3	NZ OEL

	Further information: Ototoxin, Exposure can also be estimated by biological monitoring, Skin absorption			
		WES-STEL	100 ppm 377 mg/m3	NZ OEL
	Further information: Ototoxin, Exposure can also be estimated by biological monitoring, Skin absorption			
		TWA	20 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
toluene	108-88-3	Toluene	Urine	End of exposure or end of shift	0.03 mg/l	NZ BEI
		o-Cresol	Urine	End of exposure or end of shift	0.3 mg/g creatinine	NZ BEI
		Toluene	In blood	Prior to last shift of workweek	0.02 mg/l	ACGIH BEI
		Toluene	Urine	End of shift (As soon as possible	0.03 mg/l	ACGIH BEI

				after exposure ceases)		
		o-Cresol	Urine	End of shift (As soon as possible after exposure ceases)	0.3 mg/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A2P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks	:	Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. butyl rubber gloves - material thickness: 0.5 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation

		time according to EN ISO 374-1)
Eye protection	:	Required when there is a risk of eye contact. Safety glasses with side-shields conforming to EN166
Skin and body protection	:	Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres. chemical-resistant disposable coveralls
Protective measures	:	Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	gray
Odor	:	ester-like
pH	:	not determined

Melting point/ range	:	not determined
Boiling point/boiling range	:	not determined
Flash point	:	27 °C
Flammability	:	Flammable liquid and vapour.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35 g/m3
Vapor pressure	:	not determined (20 °C) not determined (50 °C)
Relative vapor density	:	Heavier than air.
Density	:	1.550 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	not determined

Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	122.5 mm2/s (23 °C) not determined (40 °C)
Flow time	:	> 90 s (23 °C) Cross section: 4 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics		
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Avoid direct sunlight. Heat, flames and sparks.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

n-Butyl acetate:

Assessment : Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

May cause damage to organs (Central nervous system) through prolonged or repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Product:

No aspiration toxicity classification

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability

No data available

Bioaccumulative potential

Components:

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

Barium sulfate:

Partition coefficient: n-octanol/water	:	Pow: 4.26 log Pow: 0.63

toluene:

Partition coefficient: n-octanol/water	:	log Pow: 2.73 (20 °C) pH: 7 GLP: No information available. Remarks: Information taken from reference works and the

literature.

1-methoxy-2-propylacetate:

Partition coefficient: n-octanol/water	:	log Pow: 1.2 (20 °C) pH: 6.8 Method: OECD Test Guideline 117 GLP: yes

Oleylamine fatty acid salt:

Partition coefficient: n-octanol/water	:	log Pow: > 5.7 (20 °C) Method: Regulation (EC) No. 440/2008, Annex, A.8 GLP: yes

alkylammonium salt:

Partition coefficient: n-octanol/water	:	log Pow: <= 2.6 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Environmentally hazardous	:	no

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	Flammable Liquids

Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

IMDG-Code

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Hazchem Code	:	3Y

Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL)

Not applicable

HSW Controls

Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date : 14.11.2025

Further information

Other information : For multi-pack systems observe material safety data sheets of all components.

Restricted to professional users.

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)

NZ BEI : New Zealand. Biological Exposure Indices

NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA : 8-hour, time-weighted average

ACGIH / STEL : Short-term exposure limit

NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average

NZ OEL / WES-STEL : Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention

for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

Section 1: Identification

Product name : 100-MPT 1L G2

Product code : 000000000050687579

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 4

GHS label elements

Hazard pictograms : None
Signal Word : Warning

Hazard Statements : H227 Combustible liquid.

Precautionary Statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Response:
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:
P403 Store in a well-ventilated place.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : polyurethane
acrylic resin
inorganic compounds
organic solvent
fillers
Water

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
2-butoxyethanol	2-butoxyethanol	111-76-2	Flammable liquids, Category 4 Acute toxicity (Oral), Category 4 Skin corrosion/irritation, Category 2 Serious eye	>= 1 -< 10

			damage/eye irritation, Category 2	
Barium sulfate	barium sulfate	7727-43-7		>= 1 -< 10
2,4,7,9-Tetramethyldec-5-yne-4,7-diol	2,4,7,9-tetramethyldec-5-yne-4,7-diol	126-86-3	Serious eye damage/eye irritation, Category 1 Skin sensitization, Sub-category 1B Hazardous to the aquatic environment - chronic hazard, Category 3	>= 0.25 -< 1
2-dimethylaminoethanol	2-dimethylaminoethanol	108-01-0	Flammable liquids, Category 3 Acute toxicity (Oral), Category 4 Acute toxicity (Inhalation), Category 3 Acute toxicity (Dermal), Category 4 Skin corrosion/irritation, Category 1B Serious eye damage/eye irritation, Category 1 Specific target organ toxicity - single exposure (Respiratory system), Category 3	>= 0.1 -< 1

Section 4: First-aid measures

General advice	:	Never give anything by mouth to an unconscious person. Move out of dangerous area. In all cases of doubt, or when symptoms persist, seek medical attention. Immediately remove contaminated clothing. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). First aid personnel should pay attention to their own safety.
If inhaled	:	If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
In case of skin contact	:	If symptoms persist, call a physician. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Do NOT use solvents or thinners.
In case of eye contact	:	If symptoms persist, call a physician. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If swallowed	:	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Notes to physician	:	No known specific antidote. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Water spray Dry powder Foam Carbon dioxide (CO2)
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Hazardous decomposition products formed under fire conditions.

Advice for firefighters

Specific extinguishing methods	:	Cool containers/tanks with water spray. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet.
Environmental precautions	:	Do not allow uncontrolled discharge of product into the environment. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Ensure adequate ventilation. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against fire and explosion :

Avoid all sources of ignition: heat, sparks, open flame.

Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Advice on safe handling :

Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

		Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors or spray mist.
Hygiene measures	:	Remove contaminated clothing immediately and dispose of safely. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.
Further information on storage conditions	:	Keep away from heat. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing. Keep in a dry, cool and well-ventilated place.
Materials to avoid	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Recommended storage temperature	:	5 - 40 °C

Packaging material : Suitable material: glass, High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene, Stainless steel 1.4301 (V2)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-butoxyethanol	111-76-2	WES-TWA	25 ppm 121 mg/m3	NZ OEL
	Further information: Skin absorption			
		TWA	20 ppm	ACGIH
Barium sulfate	7727-43-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
2-dimethylaminoethanol	108-01-0	WES-STEL	6 ppm 22 mg/m3	NZ OEL
		WES-TWA	2 ppm 7.4 mg/m3	NZ OEL

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis

2-butoxyethanol	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks	:	Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)
Eye protection	:	Required when there is a risk of eye contact. Safety glasses with side-shields conforming to EN166

Skin and body protection	:	Anti-static protective clothing Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.
Protective measures	:	Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	colorless
Odor	:	of glycol
pH	:	7.0 - 9.0
Melting point/ range	:	not determined
Boiling point/boiling range	:	94 - 104 °C Method: calculated

Flash point	:	> 70 °C Method: ISO 3679
Evaporation rate	:	not determined
Flammability	:	Combustible liquid.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35 g/m3
Vapor pressure	:	24.0000 hPa (20 °C) Method: calculated 128.0000 hPa (50 °C) Method: calculated
Relative vapor density	:	Lighter than air.
Density	:	1.040 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	not determined

Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	621.6 mm2/s (23 °C) not determined (40 °C)
Flow time	:	> 90 s (23 °C) Cross section: 6 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics		
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No hazardous reactions when stored and handled according to instructions.
Conditions to avoid	:	Avoid direct sunlight. Protect from frost. Heat.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method

Components:

2-butoxyethanol:

Acute oral toxicity	:	LD50 (guinea pig): 1,200 mg/kg

2-dimethylaminoethanol:

Acute oral toxicity	:	LD50 (Rat): 1,183 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): 6.1 mg/l Exposure time: 4 h Test atmosphere: vapor
Acute dermal toxicity	:	LD50 (Rabbit): 1,219 mg/kg

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Skin sensitization

Based on available data, the classification criteria are not met.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Section 12: Ecological information

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

Components:

2-butoxyethanol:

Partition coefficient: n-octanol/water	:	log Pow: 0.81 (25 °C) GLP: no

Barium sulfate:

Partition coefficient: n-octanol/water	:	Pow: 4.26 log Pow: 0.63

2,4,7,9-Tetramethyldec-5-yne-4,7-diol:

Partition coefficient: n-	:	log Pow: 2.64

octanol/water

2-dimethylaminoethanol:

Partition coefficient: n-octanol/water	:	log Pow: -0.55 (23 °C)

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable

Environmentally hazardous	:	no

IATA-DGR

UN/ID No.	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Packing instruction (cargo aircraft)	:	Not applicable
Packing instruction (passenger aircraft)	:	Not applicable

IMDG-Code

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
EmS Code	:	Not applicable
Marine pollutant	:	Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Hazchem Code	:	Not applicable

Special precautions for user

Not applicable

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR002657 Surface Coatings and Colourants Combustible Group Standard

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL)

Not applicable

HSW Controls

Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date : 13.11.2025

Further information

Other information : For multi-pack systems observe material safety data sheets of all components.
Restricted to professional users.

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)

NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA : 8-hour, time-weighted average

NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average

NZ OEL / WES-STEL : Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial

Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

151-170 AE 0,4L UV Primer grey

Version	Revision Date:	SDS Number:	Date of last issue: 02.06.2025
4.0	14.11.2025	000000000050532665	Date of first issue: 28.11.2024

Section 1: Identification

Product name : 151-170 AE 0,4L UV Primer grey

Product code : 000000000050532665

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Coatings and related products

Section 2: Hazard identification

GHS Classification

Aerosols : Category 1

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2

Skin sensitization	:	Category 1
Hazardous to the aquatic environment - chronic hazard	:	Category 2

GHS label elements

Hazard pictograms :



Signal Word	:	Danger
Hazard Statements	:	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.
Precautionary Statements	:	**Prevention:** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P261 Avoid breathing mist. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/ eye protection/ face protection. **Response:** P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

Storage:
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
Container is under pressure. Protect from sun and temperatures above 50 °C. Do not open with force or incinerate even after use. Do not spray into flames or onto glowing objects.

Section 3: Composition/information on ingredients

Chemical nature : unsaturated acrylic resin
fillers
organic solvent
pigment
inorganic compounds
organic compounds

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
dimethyl ether	dimethyl ether	115-10-6	Flammable gases, Category 1A Gases under pressure, Liquefied gas	>= 30 -< 50

polymeric urethane acrylate	Hexanedioic acid, polymer with 1,6-hexanediol, 1,3-isobenzofurandione, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1,2,3-propanetriol, 2-hydroxyethyl acrylate-blocked	123904-10-9	Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2	>= 10 -< 20
acetone	acetone	67-64-1	Flammable liquids, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 1 -< 10
talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 1 -< 10
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 1 -< 10
tripropylene glycol diacrylate	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-	42978-66-5	Serious eye damage/eye irritation, Category 2	>= 2.5 -< 10

	ethanediyl)] diacrylate		Skin sensitization, Sub-category 1A Specific target organ toxicity - single exposure (Respiratory system), Category 3 Hazardous to the aquatic environment - chronic hazard, Category 2	
Kaolin	kaolin	1332-58-7		>= 1 -< 10
Methylethylketone	butanone	78-93-3	Flammable liquids, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 1 -< 10
(OLIGOMER) 4,4'-Isopropylidenediphenol, oligomeric reactionproducts with 1-chloro-2,3-epoxypropane, esters with acrylic acid	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	55818-57-0	Skin sensitization, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 2	>= 2.5 -< 10
Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-	Bis-trimethylbenzoyl phenylphosphine oxide	162881-26-7	Skin sensitization, Sub-category 1A Hazardous to the aquatic environment	>= 1 -< 2.5

			- chronic hazard, Category 4	
Neopentyl glycol, propoxylated, esters with acrylic acid	Propoxylated neopentyl glycol diacrylate esters	84170-74-1	Skin sensitization, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 2	>= 1 -< 2.5
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 1 -< 2.5
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction products with phosphorus oxide	1187441-10-6	Serious eye damage/eye irritation, Category 1 Skin sensitization, Category 1	>= 1 -< 3
Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-[(1-oxo-2- p	Propylidynetrimethanol, ethoxylated, esters with acrylic acid (>1 EO <6,5 mol)	28961-43-5	Serious eye damage/eye irritation, Category 2 Skin sensitization, Category 1	>= 0.1 -< 1

Section 4: First-aid measures

General advice	:	First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Move out of dangerous area. Never give anything by mouth to an unconscious person.
If inhaled	:	If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
In case of skin contact	:	In case of skin contact avoid direct exposure to sunlight or other UV radiation since this would increase sensitisation of the skin. If symptoms persist, call a physician. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Do NOT use solvents or thinners.
In case of eye contact	:	Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Call a physician immediately. If easy to do, remove contact lens, if worn. In case of accidental eye contact avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of eye.

If swallowed	:	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Notes to physician	:	No known specific antidote. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Water spray jet Dry powder Alcohol-resistant foam Carbon dioxide (CO2)

Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Cool containers exposed to fire with water. Decomposition, pressure build-up and bursting of containers may occur.
Hazardous combustion products	:	Oxides of phosphorus Carbon oxides

Advice for firefighters

Specific extinguishing methods	:	Cool containers/tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.

Section 6: Accidental release measures

Personal precautions, protective equipment and	:	Avoid breathing vapours.

emergency procedures		For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet.
Environmental precautions	:	Do not allow uncontrolled discharge of product into the environment. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Ensure adequate ventilation. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against fire and explosion	:	Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and

earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Vapors may form explosive mixtures with air.

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Handle with care - avoid bumps, friction and impact.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Further information on : Avoid direct sunlight.

storage conditions		Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Keep in a dry, cool and well-ventilated place.
Materials to avoid	:	Keep away from free radical initiators, peroxides, strong alkalis and reactive materials to avoid exothermic polymerization. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Packaging material	:	Suitable material: Aluminum, Stove-lacquer RDL 50, Stove-lacquer R 78433, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer EHD0022, Stove-lacquer Vitalure 745, Standard interior paint, Stove-lacquer C222A/C221A, Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
dimethyl ether	115-10-6	WES-TWA	400 ppm	NZ OEL

			766 mg/m3	
		WES-STEL	500 ppm 958 mg/m3	NZ OEL
acetone	67-64-1	WES-TWA	500 ppm 1,185 mg/m3	NZ OEL
	Further information: Exposure can also be estimated by biological monitoring			
		WES-STEL	1,000 ppm 2,375 mg/m3	NZ OEL
	Further information: Exposure can also be estimated by biological monitoring			
		TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm 713 mg/m3	NZ OEL

		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
Kaolin	1332-58-7	WES-TWA	10 mg/m3	NZ OEL
		WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
Methylethylketone	78-93-3	WES-STEL	300 ppm 890 mg/m3	NZ OEL
	Further information: Exposure can also be estimated by biological monitoring			
		WES-TWA	150 ppm 445 mg/m3	NZ OEL
	Further information: Exposure can also be estimated by biological monitoring			
		TWA	200 ppm	ACGIH
		STEL	300 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
acetone	67-64-1	Acetone	Urine	End of	50 mg/l	NZ BEI

				shift		
		Acetone	Urine	End of shift (As soon as possible after exposure ceases)	25 mg/l	ACGIH BEI
Methylethylketone	78-93-3	MEK	Urine	End of shift	2 mg/l	NZ BEI
		methyl ethyl ketone	Urine	End of shift (As soon as possible after exposure ceases)	2 mg/l	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hand protection

Remarks	:	Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1) Preventive skin protection
Eye protection	:	Required when there is a risk of eye contact. Tightly fitting safety goggles (splash goggles) (e.g. EN 166)
Skin and body protection	:	Wear chemical-resistant disposable coverall and boots. Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.
Protective measures	:	Eye wash fountains and safety showers must be easily

accessible.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	aerosol
Color	:	gray
Odor	:	ether-like
pH	:	substance/mixture is a gas
Melting point/ range	:	Study technically not feasible.
Boiling point/boiling range	:	Study technically not feasible.
Flash point	:	Not applicable
Flammability (solid, gas)	:	Extremely flammable aerosol.

Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	2.6 %(V)
Vapor pressure	:	> 999.0000 hPawithout propellant (20 °C) Method: calculated not determined (50 °C)
Density	:	0.880 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	235 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	36.0 mm2/s (23 °C)

		36.0 mm2/s (40 °C)
Flow time	:	> 30 s (23 °C) Cross section: 4 mm Method: ISO 2431 without propellant
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics Particle size	:	No data available

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Risk of bursting. Vapors may form explosive mixture with air.
Conditions to avoid	:	Avoid direct sunlight. Ultraviolet rays Heat, flames and sparks.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and

strongly acid materials in order to avoid exothermic reactions.

Keep away from free radical initiators, peroxides, strong alkalis and reactive materials to avoid exothermic polymerization.

Hazardous decomposition products : No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Causes skin irritation.

Components:

acetone:

Assessment : Repeated exposure may cause skin dryness or cracking.

n-Butyl acetate:

Assessment : Repeated exposure may cause skin dryness or cracking.

Methylethylketone:

Assessment : Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization
Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration toxicity
Based on available data, the classification criteria are not met.

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability
No data available

Bioaccumulative potential

Components:

dimethyl ether:

Partition coefficient: n-octanol/water	:	log Pow: 0.07 (25 °C) pH: 7

acetone:

Partition coefficient: n-octanol/water	:	log Pow: -0.24 (25 °C)

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

tripropylene glycol diacrylate:

Partition coefficient: n-	:	log Pow: 2.0 (25 °C)

octanol/water	GLP: no log Pow: 2 (25 °C) Method: OECD Test Guideline 117 GLP: yes log Pow: 2.77 (25 °C) Method: OECD Test Guideline 117 GLP: yes log Pow: 2.1 (25 °C) Method: OECD Test Guideline 117 GLP: yes log Pow: 2.5 - 2.7 (23 °C) pH: 6.7 Method: OECD Test Guideline 117 GLP: yes
Methylethylketone:	
Partition coefficient: n-octanol/water :	log Pow: 0.29 GLP: No information available.

Remarks: Information taken from reference works and the literature.

(OLIGOMER) 4,4'-Isopropylidenediphenol, oligomeric reactionproducts with 1-chloro-2,3-epoxypropane, esters with acrylic acid:

Partition coefficient: n-octanol/water	:	log Pow: ca. 1.6 - 3.8 (23 °C) Method: OECD Test Guideline 117 GLP: yes log Pow: 1.6 - 3.8 (23 °C) pH: 6.4 Method: OECD Test Guideline 117 GLP: yes log Pow: 1.6 - 3 (23 °C) pH: 6.4 Method: OECD Test Guideline 117 GLP: yes log Pow: 3 - 3.8 (23 °C) pH: 6.4 Method: OECD Test Guideline 117 GLP: yes

Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-:

Partition coefficient: n-octanol/water	:	log Pow: 5.8 (22 °C) pH: 8.3 Method: OECD Test Guideline 117 GLP: yes

2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction:

Partition coefficient: n-octanol/water	:	Pow: 2 - 5,200 (23.3 °C) log Pow: 0.3 - 3.7 (23.3 °C) Method: OECD Test Guideline 117 GLP: yes

Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-[(1-oxo-2- p:

Partition coefficient: n-octanol/water	:	log Pow: 2.89 (23 °C) pH: 8.1 Method: OECD Test Guideline 107 GLP: no

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1950
Proper shipping name	:	AEROSOLS
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1
Environmentally hazardous	:	yes

IATA-DGR

UN/ID No.	:	UN 1950
Proper shipping name	:	AEROSOLS
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	Flammable Gas

Packing instruction (cargo aircraft)	:	203
Packing instruction (passenger aircraft)	:	203

IMDG-Code

UN number	:	UN 1950
Proper shipping name	:	AEROSOLS (ZINC PHOSPHATE, TRIPROPYLENEGLYCOL DIACRYLATE)
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1
EmS Code	:	F-D, S-U
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1950
Proper shipping name	:	AEROSOLS
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1

Marine pollutant : yes

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR002515 Aerosols Flammable Group Standard

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL)

Not applicable

HSW Controls

Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date : 14.11.2025

Further information

Other information : Restricted to professional users.
For multi-pack systems observe material safety data sheets of

all components.

Date format : dd.mm.yyyy

Full text of other abbreviations

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ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)

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NZ OEL / WES-STEL : Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention

for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

151-170 UV Primer Filler grey 1L G2

Version	Revision Date:	SDS Number:	Date of last issue: 15.08.2025
4.0	14.11.2025	000000000050453977	Date of first issue: 28.11.2024

Section 1: Identification

Product name : 151-170 UV Primer Filler grey 1L G2

Product code : 000000000050453977

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 2

Skin corrosion/irritation : Category 2

Serious eye damage/eye : Category 2

irritation

Skin sensitization	:	Category 1
Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)
Hazardous to the aquatic environment - chronic hazard	:	Category 2

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements :
H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements :

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing mist or vapors.
P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : unsaturated acrylic resin
fillers
organic solvent
pigment
inorganic compounds
organic compounds

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
polymeric urethane acrylate	Hexanedioic acid, polymer with 1,6-hexanediol, 1,3-isobenzofurandione, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1,2,3-propanetriol, 2-hydroxyethyl acrylate-blocked	123904-10-9	Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2	>= 10 -< 20
acetone	acetone	67-64-1	Flammable liquids, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 10 -< 20
talc	Talc	14807-96-6		>= 10 -< 20

	(Mg3H2(SiO3)4)			
tripropylene glycol diacrylate	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	42978-66-5	Serious eye damage/eye irritation, Category 2 Skin sensitization, Sub-category 1A Specific target organ toxicity - single exposure (Respiratory system), Category 3 Hazardous to the aquatic environment - chronic hazard, Category 2	>= 2.5 -< 10
Kaolin	kaolin	1332-58-7		>= 1 -< 10
Methylethylketone	butanone	78-93-3	Flammable liquids, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 1 -< 10
(OLIGOMER) 4,4'-Isopropylidenediphenol, oligomeric reactionproducts with 1-chloro-2,3-epoxypropane, esters with acrylic acid	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	55818-57-0	Skin sensitization, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 2	>= 2.5 -< 10

Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-	Bis-trimethylbenzoyl phenylphosphine oxide	162881-26-7	Skin sensitization, Sub-category 1A Hazardous to the aquatic environment - chronic hazard, Category 4	>= 2.5 -< 10
Neopentyl glycol, propoxylated, esters with acrylic acid	Propoxylated neopentyl glycol diacrylate esters	84170-74-1	Skin sensitization, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 2	>= 2.5 -< 10
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 2.5 -< 10
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction products with phosphorus oxide	1187441-10-6	Serious eye damage/eye irritation, Category 1 Skin sensitization, Category 1	>= 1 -< 3
o-xylene	o-xylene	95-47-6	Flammable liquids, Category 3 Acute toxicity (Inhalation), Category 4 Acute toxicity (Dermal), Category 4	>= 1 -< 2.5

			Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	
Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-[(1-oxo-2- p	Propylidynetrimethanol, ethoxylated, esters with acrylic acid (>1 EO <6,5 mol)	28961-43-5	Serious eye damage/eye irritation, Category 2 Skin sensitization, Category 1	>= 1 -< 10

Section 4: First-aid measures

General advice : If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
Immediately remove contaminated clothing.
In all cases of doubt, or when symptoms persist, seek medical attention.
Move out of dangerous area.
Never give anything by mouth to an unconscious person.

First aid personnel should pay attention to their own safety.

If inhaled : If breathed in, move person into fresh air.

If breathing is irregular or stopped, administer artificial respiration.

If symptoms persist, call a physician.

In case of skin contact : In case of skin contact avoid direct exposure to sunlight or other UV radiation since this would increase sensitisation of the skin.

If symptoms persist, call a physician.

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Do NOT use solvents or thinners.

In case of eye contact : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

Call a physician immediately.

If easy to do, remove contact lens, if worn.

In case of accidental eye contact avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of eye.

If swallowed : Rinse mouth.

Do NOT induce vomiting.

If symptoms persist, call a physician.

Most important symptoms and effects, both acute and : Causes skin irritation.

May cause an allergic skin reaction.

delayed		Causes serious eye irritation. May cause drowsiness or dizziness. Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Notes to physician	:	No known specific antidote. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Water spray Dry powder Foam Carbon dioxide (CO2)
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).
Hazardous combustion products	:	Oxides of phosphorus

Advice for firefighters

Specific extinguishing methods	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Cool containers/tanks with water spray.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3YE

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet.
Environmental precautions	:	If the product contaminates rivers and lakes or drains inform

respective authorities.

Do not allow uncontrolled discharge of product into the environment.

Avoid subsoil penetration.

Methods and materials for containment and cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Ensure adequate ventilation.

Section 7: Handling and storage

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.

Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Advice on safe handling : Provide good ventilation of working area (local exhaust

ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions : Keep away from heat.

Avoid direct sunlight.

Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel.

Always keep in containers of same material as the original one.

Observe label precautions.

Store protected against freezing.

Keep in a dry, cool and well-ventilated place.

Materials to avoid : Keep away from free radical initiators, peroxides, strong alkalis and reactive materials to avoid exothermic polymerization.

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Recommended storage temperature : 5.00 - 30.00 °C

Packaging material : Suitable material: tinned carbon steel (Tinplate), Carbon steel (Iron), Polypropylene, Polyethylenetherephtalate (PET), Low density polyethylene (LDPE), High density polyethylene (HDPE), Stove-lacquer C222A/C221A, Standard interior paint, Stove-lacquer Vitalure 745, Stove-lacquer Valspar HXR008F red, Stove-lacquer KNS L-5X, Stove-lacquer EHD0022, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer R 78433, Stove-lacquer RDL 50

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible	Basis

			concentration	
acetone	67-64-1	WES-TWA	500 ppm 1,185 mg/m3	NZ OEL
	Further information: Exposure can also be estimated by biological monitoring			
		WES-STEL	1,000 ppm 2,375 mg/m3	NZ OEL
	Further information: Exposure can also be estimated by biological monitoring			
		TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
Kaolin	1332-58-7	WES-TWA	10 mg/m3	NZ OEL
		WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH

Methylethylketone	78-93-3	WES-STEL	300 ppm 890 mg/m3	NZ OEL
	Further information: Exposure can also be estimated by biological monitoring			
		WES-TWA	150 ppm 445 mg/m3	NZ OEL
	Further information: Exposure can also be estimated by biological monitoring			
		TWA	200 ppm	ACGIH
		STEL	300 ppm	ACGIH
o-xylene	95-47-6	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			
		TWA	20 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
acetone	67-64-1	Acetone	Urine	End of shift	50 mg/l	NZ BEI
		Acetone	Urine	End of shift (As soon as possible after	25 mg/l	ACGIH BEI

				exposure ceases)		
Methylethylketone	78-93-3	MEK	Urine	End of shift	2 mg/l	NZ BEI
		methyl ethyl ketone	Urine	End of shift (As soon as possible after exposure ceases)	2 mg/l	ACGIH BEI
o-xylene	95-47-6	Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks	:	Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Preventive skin protection

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection : Required when there is a risk of eye contact.

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Skin and body protection : Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

Wear chemical-resistant disposable coverall and boots.

Protective measures : Do not breathe vapour/spray.

Eye wash fountains and safety showers must be easily accessible.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance : liquid

Color	:	gray
Odor	:	ketone-like
pH	:	substance/mixture is non-soluble (in water)
Melting point/ range	:	not determined
	:	56.00 - 66.00 °C
Flash point	:	-12 °C Method: Determination of flashpoint - Abel closed cup method
Flammability	:	Highly flammable liquid and vapour.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35.0 g/m3
Vapor pressure	:	203.0000 hPa (20 °C)

		682.0000 hPa (50 °C)
Density	:	1.216 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	not determined (40 °C)
		36.0 mm2/s (23 °C)
Flow time	:	> 30 s (23 °C) Cross section: 4 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.

Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics		
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Avoid direct sunlight. Protect from frost. Ultraviolet rays Heat, flames and sparks. Heat.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Keep away from free radical initiators, peroxides, strong alkalis and reactive materials to avoid exothermic polymerization.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method

Skin corrosion/irritation

Causes skin irritation.

Components:

acetone:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Methylethylketone:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Product:

No aspiration toxicity classification

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1

M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability

No data available

Bioaccumulative potential

Components:

acetone:

Partition coefficient: n-octanol/water	:	log Pow: -0.24 (25 °C)

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

tripropylene glycol diacrylate:

Partition coefficient: n-octanol/water	:	log Pow: 2.0 (25 °C) GLP: no log Pow: 2 (25 °C) Method: OECD Test Guideline 117 GLP: yes log Pow: 2.77 (25 °C)

Method: OECD Test Guideline 117

GLP: yes

log Pow: 2.1 (25 °C)

Method: OECD Test Guideline 117

GLP: yes

log Pow: 2.5 - 2.7 (23 °C)

pH: 6.7

Method: OECD Test Guideline 117

GLP: yes

Methylethylketone:

Partition coefficient: n-octanol/water : log Pow: 0.29

GLP: No information available.

Remarks: Information taken from reference works and the literature.

(OLIGOMER) 4,4'-Isopropylidenediphenol, oligomeric reactionproducts with 1-chloro-2,3-epoxypropane, esters with acrylic acid:

Partition coefficient: n-octanol/water : log Pow: ca. 1.6 - 3.8 (23 °C)

Method: OECD Test Guideline 117

GLP: yes

log Pow: 1.6 - 3.8 (23 °C)

pH: 6.4

Method: OECD Test Guideline 117

GLP: yes

log Pow: 1.6 - 3 (23 °C)

pH: 6.4

Method: OECD Test Guideline 117

GLP: yes

log Pow: 3 - 3.8 (23 °C)

pH: 6.4

Method: OECD Test Guideline 117

GLP: yes

Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-:

Partition coefficient: n-octanol/water : log Pow: 5.8 (22 °C)

pH: 8.3

Method: OECD Test Guideline 117

GLP: yes

2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction:

Partition coefficient: n-octanol/water	:	Pow: 2 - 5,200 (23.3 °C) log Pow: 0.3 - 3.7 (23.3 °C) Method: OECD Test Guideline 117 GLP: yes

o-xylene:

Partition coefficient: n-octanol/water	:	log Pow: 3.12 (20 °C) pH: 7 GLP: no Remarks: Information taken from reference works and the literature.

Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-[(1-oxo-2- p:

Partition coefficient: n-octanol/water	:	log Pow: 2.89 (23 °C) pH: 8.1 Method: OECD Test Guideline 107 GLP: no

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	II
Labels	:	3
Environmentally hazardous	:	yes

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	II
Labels	:	Flammable Liquids

Packing instruction (cargo aircraft)	:	364
Packing instruction (passenger aircraft)	:	353

IMDG-Code

UN number	:	UN 1263
Proper shipping name	:	PAINT (ZINC PHOSPHATE, TRIPROPYLENEGLYCOL DIACRYLATE)
Class	:	3
Packing group	:	II
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	II
Labels	:	3

Hazchem Code : 3YE

Marine pollutant : yes

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number
HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)
Not applicable

Environmental Exposure Limits (EEL)
Not applicable

HSW Controls
Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date : 14.11.2025

Further information

Other information : For multi-pack systems observe material safety data sheets of

all components.
Restricted to professional users.

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)

NZ BEI : New Zealand. Biological Exposure Indices

NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA : 8-hour, time-weighted average

ACGIH / STEL : Short-term exposure limit

NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average

NZ OEL / WES-STEL : Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 -

Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

SAFETY DATA SHEET

176-72 1L 1K PRIMER FILLER GREY G2

Version	Revision Date:	SDS Number:	Date of last issue: 17.04.2025
3.0	14.11.2025	000000000050411327	Date of first issue: 03.06.2024

Section 1: Identification

Product name : 176-72 1L 1K PRIMER FILLER GREY G2

Product code : 000000000050411327

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 4

GHS label elements

Hazard pictograms : None
Signal Word : Warning

Hazard Statements : H227 Combustible liquid.

Precautionary Statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Response:
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:
P403 Store in a well-ventilated place.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : polyurethane
pigment
organic solvent
fillers
Water

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
Titanium dioxide	titanium dioxide	13463-67-7		>= 10 -< 20
Kaolin	kaolin	1332-58-7		>= 1 -< 10
talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 1 -< 10
2-butoxyethanol	2-butoxyethanol	111-76-2	Flammable liquids,	>= 1 -< 10

			Category 4 Acute toxicity (Oral), Category 4 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2	

Section 4: First-aid measures

General advice	:	Keep patient warm and at rest. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Never give anything by mouth to an unconscious person. Move out of dangerous area. Immediately remove contaminated clothing. First aid personnel should pay attention to their own safety.
If inhaled	:	If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
In case of skin contact	:	Call a physician immediately. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing

and shoes.

In case of eye contact	:	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
If swallowed	:	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Notes to physician	:	No known specific antidote. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Dry powder Carbon dioxide (CO2) Water spray Foam

Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).

Advice for firefighters

Specific extinguishing methods	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cool containers/tanks with water spray.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders:

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.

Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions	:	Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Keep in a dry, cool and well-ventilated place.
Materials to avoid	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Packaging material	:	Suitable material: Stainless steel 1.4301 (V2), Polypropylene, Polyethylenetherephtalate (PET), Low density polyethylene (LDPE), High density polyethylene (HDPE), Stove-lacquer C222A/C221A, Standard interior paint, Stove-lacquer EHD0022, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer R 78433, Stove-lacquer RDL 50

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Titanium dioxide	13463-67-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Respirable	2.5 mg/m3	ACGIH

		particulate matter)	(Titanium dioxide)	
Kaolin	1332-58-7	WES-TWA	10 mg/m3	NZ OEL
		WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
2-butoxyethanol	111-76-2	WES-TWA	25 ppm 121 mg/m3	NZ OEL
	Further information: Skin absorption			
		TWA	20 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-butoxyethanol	111-76-2	Butoxyacetic acid	Urine	End of shift (As	200 mg/g creatinine	ACGIH BEI

		(BAA)		soon as possible after exposure ceases)		

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks : Processes should be designed in such a way, that only disposable gloves against splashes are required, e.g. nitrile or neoprene gloves.

In case of regular or extensive contact, a protection glove certified according to EN ISO 374-1 and made of butyl rubber (material thickness 0.5 mm) or nitrile rubber (material thickness 0,35 mm) or fluorinated rubber (material thickness 0,5 mm) is recommended.

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation

time according to EN ISO 374-1)

Eye protection : Required when there is a risk of eye contact.

Safety glasses with side-shields conforming to EN166

Skin and body protection : Anti-static protective clothing

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

Protective measures : Do not breathe vapour/spray.

Eye wash fountains and safety showers must be easily accessible.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance : liquid

Color : gray

Odor : odorless

pH : 7.0 - 7.8

Melting point/ range	:	not determined
Boiling point/boiling range	:	90 - 103 °C Method: calculated
Flash point	:	> 71 °C Method: ISO 3679
Flammability	:	Combustible liquid.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35 g/m3
Vapor pressure	:	25 hPa (20 °C) Method: calculated 130 hPa (50 °C) Method: calculated
Relative vapor density	:	Lighter than air.
Density	:	1.273 g/cm3 (20 °C)

Solubility(ies)		
Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	340.7 mm2/s (23 °C) not determined (40 °C)
Flow time	:	> 50 s (23 °C) Cross section: 6 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics		
Particle size	:	The substance / product is marketed or used in a non solid or

granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No hazardous reactions when stored and handled according to instructions.
Conditions to avoid	:	Avoid direct sunlight. Heat, flames and sparks.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method

Components:

2-butoxyethanol:

Acute oral toxicity	:	LD50 (guinea pig): 1,200 mg/kg

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation
Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Skin sensitization
Based on available data, the classification criteria are not met.

Respiratory sensitization
Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration toxicity
Based on available data, the classification criteria are not met.

Section 12: Ecological information

Ecotoxicity
No data available

Persistence and degradability

No data available

Bioaccumulative potential

Components:

Titanium dioxide:

Partition coefficient: n-octanol/water	:	Remarks: Not applicable

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

2-butoxyethanol:

Partition coefficient: n-octanol/water	:	log Pow: 0.81 (25 °C) GLP: no

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.

Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Environmentally hazardous	:	no

IATA-DGR

UN/ID No.	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Packing instruction (cargo aircraft)	:	Not applicable

Packing instruction (passenger aircraft)	:	Not applicable

IMDG-Code

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
EmS Code	:	Not applicable
Marine pollutant	:	Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Hazchem Code	:	Not applicable

Special precautions for user
Not applicable

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number
HSR002657 Surface Coatings and Colourants Combustible Group Standard

Tolerable Exposure Limits (TEL)
Not applicable

Environmental Exposure Limits (EEL)
Not applicable

HSW Controls
Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date	:	14.11.2025

Further information

Other information	:	For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.
Date format	:	dd.mm.yyyy

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA	:	8-hour, time-weighted average
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance

Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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NZ / EN

283-150 1L PKW-Grundfüller VOC G2

Version	Revision Date:	SDS Number:	Date of last issue: 15.08.2025
6.0	14.11.2025	000000000050411317	Date of first issue: 03.06.2024

Section 1: Identification

Product name : 283-150 1L PKW-Grundfüller VOC G2

Product code : 000000000050411317

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 3

Skin corrosion/irritation : Category 2

Serious eye damage/eye : Category 1

irritation

Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)
Specific target organ toxicity - repeated exposure	:	Category 2 (Kidney, Liver, Central nervous system, Auditory system)
Hazardous to the aquatic environment - chronic hazard	:	Category 2

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements :
H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs (Kidney, Liver, Central nervous system, Auditory system) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements :
Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.

P243 Take action to prevent static discharges.
P260 Do not breathe mist or vapors.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P314 Get medical advice/ attention if you feel unwell.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : organic solvent
amino resins
Epoxy resin derivative
polyvinyl alcohol derivate
Aldehyde/ketone resin
cellulose ester
pigment
fillers

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
propan-1-ol	propan-1-ol	71-23-8	Flammable liquids, Category 2 Serious eye damage/eye irritation, Category 1 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 20 -< 30
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 10 -< 20

Titanium dioxide	titanium dioxide	13463-67-7		>= 1 -< 10
xylene	xylenes	1330-20-7	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Specific target organ toxicity - repeated exposure (Kidney, Liver, Central nervous system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	>= 2.5 -< 10
talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 1 -< 10
n-butanol	butan-1-ol	71-36-3	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 1	>= 3 -< 10

			Specific target organ toxicity - single exposure (Respiratory system, Central nervous system), Category 3	
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 2.5 -< 10
isobutyl alcohol	2-methylpropan-1-ol	78-83-1	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 1 Specific target organ toxicity - single exposure (Respiratory system, Central nervous system), Category 3	>= 3 -< 10
zinc oxide	zinc oxide	1314-13-2	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard,	>= 1 -< 2.5

			Category 1	
ethylbenzene	ethylbenzene	100-41-4	Flammable liquids, Category 2 Acute toxicity (Inhalation), Category 4 Specific target organ toxicity - repeated exposure (Auditory system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	>= 1 -< 2.5
phenol	phenol	108-95-2	Acute toxicity (Oral), Category 3 Acute toxicity (Inhalation), Category 3 Acute toxicity (Dermal), Category 3 Skin corrosion/irritation, Category 1B Serious eye damage/eye irritation, Category 1 Germ cell mutagenicity, Category 2 Specific target organ toxicity - repeated exposure, Category	>= 0.1 -< 1

			2	

Section 4: First-aid measures

General advice : Never give anything by mouth to an unconscious person.
Move out of dangerous area.
In all cases of doubt, or when symptoms persist, seek medical attention.
Immediately remove contaminated clothing.
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
First aid personnel should pay attention to their own safety.

If inhaled : If breathed in, move person into fresh air.

If breathing is irregular or stopped, administer artificial respiration.

If symptoms persist, call a physician.

In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

If skin irritation persists, call a physician.

Polyethylene glycol 400.

In case of eye contact : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

Call a physician immediately.

If easy to do, remove contact lens, if worn.

If swallowed	:	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Causes skin irritation. Causes serious eye damage. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Notes to physician	:	No known specific antidote. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Water spray Dry powder Foam Carbon dioxide (CO2)
Unsuitable extinguishing media	:	High volume water jet

Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).
Hazardous combustion products	:	Oxides of phosphorus

Advice for firefighters

Specific extinguishing methods	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cool containers/tanks with water spray.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3Y

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas.

Keep away from sources of ignition.

For emergency responders:

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.

Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors.

Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

		Wash hands before breaks and at the end of workday.
		Keep away from food, drink and animal feedingstuffs.
Further information on storage conditions	:	Keep away from heat.
		Avoid direct sunlight.
		Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel.
		Always keep in containers of same material as the original one.
		Observe label precautions.
		Store protected against freezing.
		Keep in a dry, cool and well-ventilated place.
Materials to avoid	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Recommended storage temperature	:	5 - 35 °C
Packaging material	:	Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parameters / Permissible	Basis

		exposure)	concentration	
propan-1-ol	71-23-8	WES-TWA	200 ppm 492 mg/m3	NZ OEL
	Further information: Skin absorption			
		WES-STEL	250 ppm 614 mg/m3	NZ OEL
	Further information: Skin absorption			
		TWA	100 ppm	ACGIH
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm 713 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
Titanium dioxide	13463-67-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2.5 mg/m3 (Titanium dioxide)	ACGIH
xylene	1330-20-7	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			

		TWA	20 ppm	ACGIH
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
n-butanol	71-36-3	WES-Ceiling	50 ppm 150 mg/m3	NZ OEL
	Further information: Skin absorption			
		TWA	20 ppm	ACGIH
isobutyl alcohol	78-83-1	WES-TWA	50 ppm 152 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH
zinc oxide	1314-13-2	WES-TWA	2 mg/m3	NZ OEL
		WES-TWA (Respirable dust)	0.1 mg/m3	NZ OEL
		WES-STEL	5 mg/m3	NZ OEL
		WES-STEL (Respirable dust)	0.5 mg/m3	NZ OEL
		TWA (Respirable particulate	2 mg/m3	ACGIH

		matter)		
		STEL (Respirable particulate matter)	10 mg/m3	ACGIH
ethylbenzene	100-41-4	WES-TWA	20 ppm 88 mg/m3	NZ OEL
	Further information: Ototoxin, Skin absorption			
		WES-STEL	40 ppm 176 mg/m3	NZ OEL
	Further information: Ototoxin, Skin absorption			
		TWA	20 ppm	ACGIH
phenol	108-95-2	WES-TWA	1 ppm 3.8 mg/m3	NZ OEL
	Further information: Skin absorption			
		WES-STEL	2 ppm 7.7 mg/m3	NZ OEL
	Further information: Skin absorption			
		TWA	5 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis

xylene	1330-20-7	Methylhippuric acid	Urine	End of shift	1.5 g/l	NZ BEI
		Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI
ethylbenzene	100-41-4	Sum of mandelic acid and phenylglyoxylic acids	Urine	End of exposure or end of shift	0.25 g/g creatinine	NZ BEI
		Sum of mandelic acid and phenyl glyoxylic acid	Urine	End of shift (As soon as possible after exposure ceases)	0.15 g/g creatinine	ACGIH BEI
phenol	108-95-2	Total phenol	Urine	End of shift	100 mg/l	NZ BEI
		Phenol	Urine	End of shift (As soon as possible after exposure ceases)	250 mg/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,35 mm

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Request information on glove permeation properties from the glove supplier.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Preventive skin protection

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection : Required when there is a risk of eye contact.

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Skin and body protection : Anti-static protective clothing

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

Protective measures : Do not breathe vapour/spray.

Eye wash fountains and safety showers must be easily accessible.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	yellow
Odor	:	of acetate
pH	:	substance/mixture is non-polar/aprotic
Melting point/ range	:	not determined
Boiling point/boiling range	:	96 - 145 °C Method: calculated
Flash point	:	23 °C Method: ISO 3679

Flammability	:	Flammable liquid and vapour.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35 g/m3
Vapor pressure	:	19 hPa (20 °C) Method: calculated 110 hPa (50 °C)
Relative vapor density	:	Heavier than air.
Density	:	1.125 g/cm3 (20 °C)
Solubility(ies) Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C

Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	269.0 mm2/s (23 °C)
		114 mm2/s (40 °C)
Flow time	:	> 40 s (23 °C) Cross section: 6 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics		
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Avoid direct sunlight.

		Heat, flames and sparks. Protect from frost. Heat.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method

Components:

phenol:

Acute dermal toxicity	:	LD50 (Rat): 660 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Components:

n-Butyl acetate:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Skin sensitization

Based on available data, the classification criteria are not met.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

May cause damage to organs (Kidney, Liver, Central nervous system, Auditory system) through prolonged or repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability

No data available

Bioaccumulative potential

Components:

propan-1-ol:

Partition coefficient: n-octanol/water	:	log Pow: 0.2 (25 °C) Method: OECD Test Guideline 117 GLP: yes

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

Titanium dioxide:

Partition coefficient: n-octanol/water	:	Remarks: Not applicable

xylene:

Partition coefficient: n-octanol/water	:	log Pow: 3.12 - 3.20 (25 °C) GLP: no Remarks: Information taken from reference works and the literature.

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

n-butanol:

Partition coefficient: n-octanol/water	:	log Pow: 1 (25 °C) Method: OECD Test Guideline 117 GLP: yes

isobutyl alcohol:

Partition coefficient: n-octanol/water	:	Pow: 10 (25 °C)

log Pow: 1 (25 °C)

Method: OECD Test Guideline 117

GLP: yes

ethylbenzene:

Partition coefficient: n-octanol/water : Pow: 4,170 (20 °C)

log Pow: 3.6 (20 °C)

pH: 7.8

GLP: yes

phenol:

Partition coefficient: n-octanol/water : log Pow: 1.47 (30 °C)

pH: 3 - 8

Method: OECD Test Guideline 117

Remarks: Information taken from reference works and the literature.

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Environmentally hazardous	:	yes

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	Flammable Liquids

Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

IMDG-Code

UN number	:	UN 1263
Proper shipping name	:	PAINT (ZINC PHOSPHATE, ZINC OXIDE)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3

Hazchem Code	:	3Y
Marine pollutant	:	yes

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL)

Not applicable

HSW Controls

Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date	:	14.11.2025

Further information

Other information	:	For multi-pack systems observe material safety data sheets of

all components.
Restricted to professional users.

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
NZ BEI	:	New Zealand. Biological Exposure Indices
NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average
NZ OEL / WES-STEL	:	Workplace Exposure Standard - Short-Term Exposure Limit
NZ OEL / WES-Ceiling	:	Workplace Exposure Standard - Ceiling

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial

Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

283-150 4L GFX H/B ETCH PRIMER G2

Version	Revision Date:	SDS Number:	Date of last issue: 15.08.2025
6.0	14.11.2025	000000000050411318	Date of first issue: 03.06.2024

Section 1: Identification

Product name : 283-150 4L GFX H/B ETCH PRIMER G2

Product code : 000000000050411318

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 3

Skin corrosion/irritation : Category 2

Serious eye damage/eye : Category 1

irritation

Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)
Specific target organ toxicity - repeated exposure	:	Category 2 (Kidney, Liver, Central nervous system, Auditory system)
Hazardous to the aquatic environment - chronic hazard	:	Category 2

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements :
H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs (Kidney, Liver, Central nervous system, Auditory system) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements :
Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.

P243 Take action to prevent static discharges.
P260 Do not breathe mist or vapors.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P314 Get medical advice/ attention if you feel unwell.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : organic solvent
amino resins
Epoxy resin derivative
polyvinyl alcohol derivate
Aldehyde/ketone resin
cellulose ester
pigment
fillers

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
propan-1-ol	propan-1-ol	71-23-8	Flammable liquids, Category 2 Serious eye damage/eye irritation, Category 1 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 20 -< 30
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 10 -< 20

Titanium dioxide	titanium dioxide	13463-67-7		>= 1 -< 10
xylene	xylenes	1330-20-7	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Specific target organ toxicity - repeated exposure (Kidney, Liver, Central nervous system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	>= 2.5 -< 10
talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 1 -< 10
n-butanol	butan-1-ol	71-36-3	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 1	>= 3 -< 10

			Specific target organ toxicity - single exposure (Respiratory system, Central nervous system), Category 3	
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 2.5 -< 10
isobutyl alcohol	2-methylpropan-1-ol	78-83-1	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 1 Specific target organ toxicity - single exposure (Respiratory system, Central nervous system), Category 3	>= 3 -< 10
zinc oxide	zinc oxide	1314-13-2	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard,	>= 1 -< 2.5

			Category 1	
ethylbenzene	ethylbenzene	100-41-4	Flammable liquids, Category 2 Acute toxicity (Inhalation), Category 4 Specific target organ toxicity - repeated exposure (Auditory system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	>= 1 -< 2.5
phenol	phenol	108-95-2	Acute toxicity (Oral), Category 3 Acute toxicity (Inhalation), Category 3 Acute toxicity (Dermal), Category 3 Skin corrosion/irritation, Category 1B Serious eye damage/eye irritation, Category 1 Germ cell mutagenicity, Category 2 Specific target organ toxicity - repeated exposure, Category	>= 0.1 -< 1

			2	

Section 4: First-aid measures

General advice : Never give anything by mouth to an unconscious person.
Move out of dangerous area.
In all cases of doubt, or when symptoms persist, seek medical attention.
Immediately remove contaminated clothing.
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
First aid personnel should pay attention to their own safety.

If inhaled : If breathed in, move person into fresh air.

If breathing is irregular or stopped, administer artificial respiration.

If symptoms persist, call a physician.

In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

If skin irritation persists, call a physician.

Polyethylene glycol 400.

In case of eye contact : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

Call a physician immediately.

If easy to do, remove contact lens, if worn.

If swallowed	:	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Causes skin irritation. Causes serious eye damage. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Notes to physician	:	No known specific antidote. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Water spray Dry powder Foam Carbon dioxide (CO2)
Unsuitable extinguishing media	:	High volume water jet

Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).
Hazardous combustion products	:	Oxides of phosphorus

Advice for firefighters

Specific extinguishing methods	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cool containers/tanks with water spray.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3Y

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas.

Keep away from sources of ignition.

For emergency responders:

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.

Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors.

Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

		Wash hands before breaks and at the end of workday.
		Keep away from food, drink and animal feedingstuffs.
Further information on storage conditions	:	Keep away from heat.
		Avoid direct sunlight.
		Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel.
		Always keep in containers of same material as the original one.
		Observe label precautions.
		Store protected against freezing.
		Keep in a dry, cool and well-ventilated place.
Materials to avoid	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Recommended storage temperature	:	5 - 35 °C
Packaging material	:	Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parameters / Permissible	Basis

		exposure)	concentration	
propan-1-ol	71-23-8	WES-TWA	200 ppm 492 mg/m3	NZ OEL
	Further information: Skin absorption			
		WES-STEL	250 ppm 614 mg/m3	NZ OEL
	Further information: Skin absorption			
		TWA	100 ppm	ACGIH
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm 713 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
Titanium dioxide	13463-67-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2.5 mg/m3 (Titanium dioxide)	ACGIH
xylene	1330-20-7	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			

		TWA	20 ppm	ACGIH
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
n-butanol	71-36-3	WES-Ceiling	50 ppm 150 mg/m3	NZ OEL
	Further information: Skin absorption			
		TWA	20 ppm	ACGIH
isobutyl alcohol	78-83-1	WES-TWA	50 ppm 152 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH
zinc oxide	1314-13-2	WES-TWA	2 mg/m3	NZ OEL
		WES-TWA (Respirable dust)	0.1 mg/m3	NZ OEL
		WES-STEL	5 mg/m3	NZ OEL
		WES-STEL (Respirable dust)	0.5 mg/m3	NZ OEL
		TWA (Respirable particulate	2 mg/m3	ACGIH

		matter)		
		STEL (Respirable particulate matter)	10 mg/m3	ACGIH
ethylbenzene	100-41-4	WES-TWA	20 ppm 88 mg/m3	NZ OEL
	Further information: Ototoxin, Skin absorption			
		WES-STEL	40 ppm 176 mg/m3	NZ OEL
	Further information: Ototoxin, Skin absorption			
		TWA	20 ppm	ACGIH
phenol	108-95-2	WES-TWA	1 ppm 3.8 mg/m3	NZ OEL
	Further information: Skin absorption			
		WES-STEL	2 ppm 7.7 mg/m3	NZ OEL
	Further information: Skin absorption			
		TWA	5 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis

xylene	1330-20-7	Methylhippuric acid	Urine	End of shift	1.5 g/l	NZ BEI
		Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI
ethylbenzene	100-41-4	Sum of mandelic acid and phenylglyoxylic acids	Urine	End of exposure or end of shift	0.25 g/g creatinine	NZ BEI
		Sum of mandelic acid and phenyl glyoxylic acid	Urine	End of shift (As soon as possible after exposure ceases)	0.15 g/g creatinine	ACGIH BEI
phenol	108-95-2	Total phenol	Urine	End of shift	100 mg/l	NZ BEI
		Phenol	Urine	End of shift (As soon as possible after exposure ceases)	250 mg/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,35 mm

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Request information on glove permeation properties from the glove supplier.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Preventive skin protection

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection : Required when there is a risk of eye contact.

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Skin and body protection : Anti-static protective clothing

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

Protective measures : Do not breathe vapour/spray.

Eye wash fountains and safety showers must be easily accessible.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	yellow
Odor	:	of acetate
pH	:	substance/mixture is non-polar/aprotic
Melting point/ range	:	not determined
Boiling point/boiling range	:	96 - 145 °C Method: calculated
Flash point	:	23 °C Method: ISO 3679

Flammability	:	Flammable liquid and vapour.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35 g/m3
Vapor pressure	:	19 hPa (20 °C) Method: calculated 110 hPa (50 °C)
Relative vapor density	:	Heavier than air.
Density	:	1.125 g/cm3 (20 °C)
Solubility(ies) Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C

Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	269.0 mm2/s (23 °C)
		114 mm2/s (40 °C)
Flow time	:	> 40 s (23 °C) Cross section: 6 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics		
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Avoid direct sunlight.

		Heat, flames and sparks. Protect from frost. Heat.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method

Components:

phenol:

Acute dermal toxicity	:	LD50 (Rat): 660 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Components:

n-Butyl acetate:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Skin sensitization

Based on available data, the classification criteria are not met.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

May cause damage to organs (Kidney, Liver, Central nervous system, Auditory system) through prolonged or repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability

No data available

Bioaccumulative potential

Components:

propan-1-ol:

Partition coefficient: n-octanol/water	:	log Pow: 0.2 (25 °C) Method: OECD Test Guideline 117 GLP: yes

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

Titanium dioxide:

Partition coefficient: n-octanol/water	:	Remarks: Not applicable

xylene:

Partition coefficient: n-octanol/water	:	log Pow: 3.12 - 3.20 (25 °C) GLP: no Remarks: Information taken from reference works and the literature.

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

n-butanol:

Partition coefficient: n-octanol/water	:	log Pow: 1 (25 °C) Method: OECD Test Guideline 117 GLP: yes

isobutyl alcohol:

Partition coefficient: n-octanol/water	:	Pow: 10 (25 °C)

log Pow: 1 (25 °C)

Method: OECD Test Guideline 117

GLP: yes

ethylbenzene:

Partition coefficient: n-octanol/water : Pow: 4,170 (20 °C)

log Pow: 3.6 (20 °C)

pH: 7.8

GLP: yes

phenol:

Partition coefficient: n-octanol/water : log Pow: 1.47 (30 °C)

pH: 3 - 8

Method: OECD Test Guideline 117

Remarks: Information taken from reference works and the literature.

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Environmentally hazardous	:	yes

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	Flammable Liquids

Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

IMDG-Code

UN number	:	UN 1263
Proper shipping name	:	PAINT (ZINC PHOSPHATE, ZINC OXIDE)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3

Hazchem Code	:	3Y
Marine pollutant	:	yes

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number
HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)
Not applicable

Environmental Exposure Limits (EEL)
Not applicable

HSW Controls
Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date	:	14.11.2025

Further information

Other information	:	For multi-pack systems observe material safety data sheets of

all components.
Restricted to professional users.

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
NZ BEI	:	New Zealand. Biological Exposure Indices
NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average
NZ OEL / WES-STEL	:	Workplace Exposure Standard - Short-Term Exposure Limit
NZ OEL / WES-Ceiling	:	Workplace Exposure Standard - Ceiling

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial

Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

We create chemistry

Safety data sheet

1. Substance/preparation and manufacturer/supplier identification

285-0 3L HS-Transparent-Sealer G2

Use: Coatings and related products

Manufacturer/supplier:
BASF New Zealand Ltd.
5E City Works Depot
77 Cook Street
Auckland Central, Auckland 1010
NEW ZEALAND
Telephone: +64 9 255-4300
Telefax number: +64 9 255-4307

Emergency information:
National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

2. Hazard identification

Classification of the substance and mixture:
Skin corrosion/irritation: Cat. 2
Serious eye damage/eye irritation: Cat. 2A
Skin sensitization: Cat. 1
Specific target organ toxicity — single exposure: Cat. 3 (Vapours may cause drowsiness and dizziness.)
Specific target organ toxicity — repeated exposure: Cat. 2
Hazardous to the aquatic environment - acute: Cat. 3
Flammable liquids: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P260	Do not breathe dust or mist.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

acrylic resin, fillers, nitrocellulose, organic solvent, epoxy resin

Hazardous ingredients

n-Butyl acetate

Content (W/W): >= 20 % - < 25 %	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

xylene

Content (W/W): >= 10 % - < 12.5 %	Asp. Tox.: Cat. 1
	Flam. Liq.: Cat. 3
CAS Number: 1330-20-7	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

ethylbenzene

Content (W/W): >= 1 % - < 2 %	Asp. Tox.: Cat. 1
CAS Number: 100-41-4	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	STOT RE (Auditory organ): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

4-methylpentan-2-one

Content (W/W): >= 1 % - < 2 %	Flam. Liq.: Cat. 2
CAS Number: 108-10-1	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Acute Tox.: Cat. 5 (oral)
	Asp. Tox.: Cat. 2

aromatic epoxy compound MW < 700

Content (W/W): >= 1 % - < 2 %	Skin Corr./Irrit.: Cat. 2
CAS Number: 25036-25-3	Skin Sens.: Cat. 1
	Eye Dam./Irrit.: Cat. 2A

2-hydroxyethyl methacrylate

Content (W/W): >= 0.1 % - < 0.2 %	Eye Dam./Irrit.: Cat. 2B
CAS Number: 868-77-9	Skin Sens.: Cat. 1B

4. First-Aid Measures

General advice:
First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

If inhaled:
Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:
If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:
Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:
Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:
Symptoms: Eye irritation, allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Treatment: Symptomatic treatment (decontamination, vital functions).
Antidote: No known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:
water jet

Specific hazards:
Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:
Appropriate breathing apparatus may be required.

Further information:
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental Release Measures

Personal precautions:
Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:
Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for diposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation

of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:
Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)
Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

Storage stability:
Storage temperature: 5.00 - 35.00 °C

8. Exposure controls and personal protection

Components with occupational exposure limits

ethylbenzene, 100-41-4;
TWA value 20 ppm (ACGIHTLV)
TWA value 434 mg/m3 ; 100 ppm (OEL (NZ))
STEL value 543 mg/m3 ; 125 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;
STEL value 75 ppm (ACGIHTLV)
TWA value 20 ppm (ACGIHTLV)
STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))
TWA value 205 mg/m3 ; 50 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;
STEL value 150 ppm (ACGIHTLV)
TWA value 50 ppm (ACGIHTLV)
TWA value 713 mg/m3 ; 150 ppm (OEL (NZ))
STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;
TWA value 100 ppm (ACGIHTLV)
STEL value 150 ppm (ACGIHTLV)
TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

Personal protective equipment

Respiratory protection:
Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:
Further information on penetration time is available from the manufacturer of the glove.
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).
Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.
nitrile gloves - material thickness: 0,7 mm

Eye protection:
Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:
Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:
Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

9. Physical and Chemical Properties

Form:	liquid
Colour:	colourless
Odour:	of acetate
pH value:	
	substance/mixture is non-polar/aprotic
Melting point:	
	not determined
onset of boiling:	
	not determined

Flash point:	25 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m3	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined (50 °C) not determined	
Density:	1.143 g/cm3 (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm2/s (20 °C) (40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

10. Stability and Reactivity

Conditions to avoid:
Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Substances to avoid:
Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:
Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

Information on: ethylbenzene
Experimental/calculated data:
LD50 rat (oral): 3,500 mg/kg
Literature data.

Information on: xylene
Experimental/calculated data:
LD50 rat (oral): 3,523 mg/kg (similar to OECD guideline 401)

Information on: ethylbenzene
Experimental/calculated data:
LD50 rabbit (dermal): 15,354 mg/kg
Literature data.

Irritation

Assessment of irritating effects:
The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

Respiratory/Skin sensitization

Assessment of sensitization:
Sensitization after skin contact possible.

Germ cell mutagenicity

Assessment of mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:
Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure):

Assessment of STOT single:
Possible narcotic effects (drowsiness or dizziness).

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
Repeated exposure may affect certain organs.

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

Mobility

Assessment transport between environmental compartments:
No data available.

Persistence and degradability

Assessment biodegradation and elimination (H2O):
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene
Elimination information:
70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate
Elimination information:
80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene
Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Bioaccumulation potential

Bioaccumulation potential:
No data available.

13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.
Observe national and local legal requirements.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Domestic transport:

Packing group:	III
ID number:	UN 1263
Transport hazard class(es):	3
Proper shipping name:	PAINT

Further information
Hazchem Code:3Y
IERG Number:14

Sea transport
IMDG

Packing group:	III
ID number:	UN 1263
Transport hazard class(es):	3
Marine pollutant:	NO
Proper shipping name:	PAINT

Air transport
IATA/ICAO

Packing group:	III
ID number:	UN 1263
Transport hazard class(es):	3
Proper shipping name:	PAINT

Further information
Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

15. Regulatory Information

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.
Tracking requirements do not apply to this substance.
A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662
Surface Coatings and Colourants (Flammable) Group Standard 2017

16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

We create chemistry

Safety data sheet

1. Substance/preparation and manufacturer/supplier identification

285-31 3L HS-Non-Sanding-Filler G2

Use: Coatings and related products

Manufacturer/supplier:
BASF New Zealand Ltd.
5E City Works Depot
77 Cook Street
Auckland Central, Auckland 1010
NEW ZEALAND
Telephone: +64 9 255-4300
Telefax number: +64 9 255-4307

Emergency information:
National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

2. Hazard identification

Classification of the substance and mixture:
Skin corrosion/irritation: Cat. 3
Hazardous to the aquatic environment - acute: Cat. 2
Hazardous to the aquatic environment - chronic: Cat. 2
Flammable liquids: Cat. 3
Skin sensitization: Cat. 1A

Label elements and precautionary statement:

Pictogram:



Signal Word:
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P391	Collect spillage.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

acrylic resin, fillers, nitrocellulose, organic solvent, pigment

Hazardous ingredients

n-Butyl acetate

Content (W/W): >= 15 % - < 20 %	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

zinc phosphate

Content (W/W): >= 12.5 % - < 15 %	Aquatic Acute: Cat. 1
	Aquatic Chronic: Cat. 1
CAS Number: 7779-90-0	M-factor acute: 1
	M-factor chronic: 1

xylene

Content (W/W): >= 3 % - < 5 %	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

zinc oxide

Content (W/W): >= 2.5 % - < 3 %	Aquatic Acute: Cat. 1
CAS Number: 1314-13-2	Aquatic Chronic: Cat. 1
	M-factor acute: 1
	M-factor chronic: 1

1-methoxy-2-propylacetate

Content (W/W): >= 2.5 % - < 3 %	Flam. Liq.: Cat. 3
CAS Number: 108-65-6	STOT SE: Cat. 3 (drowsiness and dizziness)

Propanoic acid, 3-ethoxy-, ethyl ester

Content (W/W): >= 2.5 % - < 3 %	Flam. Liq.: Cat. 3
CAS Number: 763-69-9	Acute Tox.: Cat. 5 (oral)
	Aquatic Acute: Cat. 3
	Acute Tox.: Cat. 5 (dermal)

2-hydroxyethyl methacrylate

Content (W/W): >= 0.1 % - < 0.2 %	Eye Dam./Irrit.: Cat. 2B
CAS Number: 868-77-9	Skin Sens.: Cat. 1B

Fatty acids, C14-18 and C16-18-unsatd., maleated

Content (W/W): >= 0.1 % - < 0.2 %	Skin Corr./Irrit.: Cat. 2
CAS Number: 85711-46-2	Eye Dam./Irrit.: Cat. 2A
	Skin Sens.: Cat. 1B

maleic anhydride

Content (W/W): > 0 % - < 0.1 %	Acute Tox.: Cat. 4 (oral)
CAS Number: 108-31-6	Skin Corr./Irrit.: Cat. 1B
	Eye Dam./Irrit.: Cat. 1
	Resp. Sens.: Cat. 1
	Skin Sens.: Cat. 1A
	STOT RE (Respiratory system): Cat. 1 (by inhalation)
	Aquatic Acute: Cat. 3

4. First-Aid Measures

General advice:
First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

If inhaled:
Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:
If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:
If symptoms persist, seek medical advice. Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution.

On ingestion:
Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:
Symptoms: allergic symptoms, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Treatment: Symptomatic treatment (decontamination, vital functions).
Antidote: No known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:
water jet

Specific hazards:
Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:
Appropriate breathing apparatus may be required.

Further information:
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental Release Measures

Personal precautions:
Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:
Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for diposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation

of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:
Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Stainless steel 1.4301 (V2), Carbon steel (Iron), High density polyethylene (HDPE), tinned carbon steel (Tinplate)
Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

Storage stability:
Storage temperature: 5.00 - 35.00 °C

8. Exposure controls and personal protection

Components with occupational exposure limits

maleic anhydride, 108-31-6;
TWA value 0.01 mg/m3 (ACGIHTLV), Inhalable fraction and vapor
TWA value 0.01 mg/m3 ; 0.0025 ppm (OEL (NZ)), Inhalable fraction and vapor

n-Butyl acetate, 123-86-4;
STEL value 150 ppm (ACGIHTLV)
TWA value 50 ppm (ACGIHTLV)
TWA value 713 mg/m3 ; 150 ppm (OEL (NZ))
STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

zinc oxide, 1314-13-2;
TWA value 2 mg/m3 (ACGIHTLV), Respirable fraction
STEL value 10 mg/m3 (ACGIHTLV), Respirable fraction
TWA value 3 mg/m3 (OEL (NZ)), Respirable fume
TWA value 0.1 mg/m3 (OEL (NZ)), Respirable
TWA value 2 mg/m3 (OEL (NZ))
STEL value 0.5 mg/m3 (OEL (NZ)), Respirable
STEL value 5 mg/m3 (OEL (NZ))

xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV)
STEL value 150 ppm (ACGIHTLV)
TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

Personal protective equipment

Respiratory protection:
Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:
Further information on penetration time is available from the manufacturer of the glove.
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).
Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.
nitrile gloves - material thickness: 0,7 mm

Eye protection:
Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:
Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:
Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

9. Physical and Chemical Properties

Form:	liquid
Colour:	grey
Odour:	of acetate
pH value:	
	substance/mixture is non-soluble (in water)

Melting point:		
	not determined	
onset of boiling:		
	not determined	
Flash point:	31 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m3	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:		
	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.452 g/cm3 (20 °C)	
Miscibility with water:		
	immiscible	
Viscosity, kinematic:	411.6 mm2/s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

10. Stability and Reactivity

Conditions to avoid:
Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Substances to avoid:
Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:
Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

Information on: maleic anhydride
Experimental/calculated data:
LD50 rat (oral): 1,090 mg/kg (OECD Guideline 401)

Information on: Ethyl 3-ethoxypropionate
Experimental/calculated data:
LD50 rat (oral): 4,309 mg/kg (OECD Guideline 401)

Information on: xylene
Experimental/calculated data:
LD50 rat (oral): 3,523 mg/kg (similar to OECD guideline 401)

Information on: maleic anhydride
Experimental/calculated data:
LD50 rabbit (dermal): 2,620 mg/kg
Literature data.

Irritation

Assessment of irritating effects:
The liquid splashed in the eyes may cause irritation and reversible damage. Skin contact causes slight irritation.

Respiratory/Skin sensitization

Assessment of sensitization:
Sensitization after skin contact possible.

Germ cell mutagenicity

Assessment of mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity:
Based on available data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:
Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure):

Assessment of STOT single:
Based on available data, the classification criteria are not met.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
Based on available data, the classification criteria are not met.

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
Toxic to aquatic life. Toxic to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

Mobility

Assessment transport between environmental compartments:
No data available.

Persistence and degradability

Assessment biodegradation and elimination (H2O):
Biological degradability of hazardous substances mentioned in section 3:

Information on: maleic anhydride
Elimination information:

93 % DOC reduction (21 d) (OECD 301E/92/69/EEC, C.4-B) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable (according to OECD criteria).
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: n-Butyl acetate
Elimination information:
80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: Ethyl 3-ethoxypropionate
Elimination information:
100 % CO2 formation relative to the theoretical value (28 d) (Directive 84/449/EEC, C.5) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable.

100 % CO2 formation relative to the theoretical value (18 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic)

Information on: xylene
Elimination information:
87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: zinc phosphate

Bioaccumulation potential

Bioaccumulation potential:
No data available.

13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.
Observe national and local legal requirements.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Domestic transport:

Packing group:	III
ID number:	UN 1263
Transport hazard class(es):	3, EHSM
Proper shipping name:	PAINT

Further information

Hazchem Code:3Y
IERG Number:14

Sea transport
IMDG

Packing group:	III
ID number:	UN 1263
Transport hazard class(es):	3, EHSM
Marine pollutant:	YES
Proper shipping name:	PAINT (contains ZINC PHOSPHATE)

Air transport
IATA/ICAO

Packing group:	III
ID number:	UN 1263
Transport hazard class(es):	3
Proper shipping name:	PAINT

15. Regulatory Information

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.
Tracking requirements do not apply to this substance.
A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662
Surface Coatings and Colourants (Flammable) Group Standard 2017

16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

285-38 3L HSVOC NON-SAND FILLER G2

Version	Revision Date:	SDS Number:	Date of last issue: 03.06.2025
5.0	14.11.2025	000000000050411344	Date of first issue: 03.06.2024

Section 1: Identification

Product name : 285-38 3L HSVOC NON-SAND FILLER G2

Product code : 000000000050411344

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 3

Skin sensitization : Category 1

Specific target organ toxicity - : Category 3 (Central nervous system)

single exposure

Specific target organ toxicity - repeated exposure	:	Category 2 (Kidney, Liver, Central nervous system)
Hazardous to the aquatic environment - chronic hazard	:	Category 2

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements :
H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements :
Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe mist or vapors.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P314 Get medical advice/ attention if you feel unwell.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : acrylic resin
fillers
nitrocellulose
organic solvent

pigment

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 10 -< 20
Titanium dioxide	titanium dioxide	13463-67-7		>= 10 -< 20
Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	64742-95-6	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Respiratory system, Central nervous system), Category 3 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 2	>= 10 -< 20
Barium sulfate	barium sulfate	7727-43-7		>= 1 -< 10
Kaolin	kaolin	1332-58-7		>= 1 -< 10
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment	>= 2.5 -< 10

			- chronic hazard, Category 1	
talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 1 -< 10
Aluminum dihydrogentriphosphate	aluminium dihydrogen triphosphate	13939-25-8	Serious eye damage/eye irritation, Category 2	>= 1 -< 10
Wollastonite (Ca(SiO3))	Wollastonite (Ca(SiO3))	13983-17-0		>= 1 -< 10
xylene	xylenes	1330-20-7	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Specific target organ toxicity - repeated exposure (Kidney, Liver, Central nervous system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	>= 2.5 -< 10

2-butoxyethyl acetate	2-butoxyethyl acetate	112-07-2	Flammable liquids, Category 4 Acute toxicity (Oral), Category 4 Acute toxicity (Dermal), Category 4	>= 1 -< 10
zinc oxide	zinc oxide	1314-13-2	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 0.1 -< 0.25
Fatty acids C14-18 and C16-18 unsat., maleinated	Fatty acids, C14-18 and C16-18-unsatd., maleated	85711-46-2	Skin corrosion/irritation, Category 2 Skin sensitization, Category 1	>= 0.1 -< 1
maleic anhydride	maleic anhydride	108-31-6	Acute toxicity (Oral), Category 4 Skin corrosion/irritation, Category 1B Serious eye damage/eye irritation, Category 1 Respiratory sensitization, Category 1 Skin sensitization, Sub-category 1A Specific target organ	>= 0.001< 0.1 -

			toxicity - repeated exposure (Inhalation) (Respiratory system), Category 1	

Section 4: First-aid measures

General advice : Never give anything by mouth to an unconscious person.
Move out of dangerous area.
In all cases of doubt, or when symptoms persist, seek medical attention.
Immediately remove contaminated clothing.
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
First aid personnel should pay attention to their own safety.

If inhaled : If breathed in, move person into fresh air.

If breathing is irregular or stopped, administer artificial respiration.

If symptoms persist, call a physician.

In case of skin contact : Do NOT use solvents or thinners.

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

If symptoms persist, call a physician.

In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

		If symptoms persist, call a physician.
If swallowed	:	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	May cause an allergic skin reaction. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Notes to physician	:	No known specific antidote. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Dry powder Carbon dioxide (CO2) Water spray Foam

Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).
Hazardous combustion products	:	Oxides of phosphorus

Advice for firefighters

Specific extinguishing methods	:	Cool containers/tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3Y

Section 6: Accidental release measures

Personal precautions, protective equipment and	:	Avoid breathing vapours.

emergency procedures		For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet.
Environmental precautions	:	If the product contaminates rivers and lakes or drains inform respective authorities. Avoid subsoil penetration. Do not allow uncontrolled discharge of product into the environment.
Methods and materials for containment and cleaning up	:	Ensure adequate ventilation. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against fire and explosion	:	Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and

earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions : Keep away from heat.

Avoid direct sunlight.

Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel.

Always keep in containers of same material as the original one.

Observe label precautions.

Store protected against freezing.

Keep in a dry, cool and well-ventilated place.

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Recommended storage temperature : 5.00 - 35.00 °C

Packaging material : Suitable material: Polyethylenetherephtalate (PET), Polypropylene, Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate), Low density polyethylene (LDPE), High density polyethylene (HDPE)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parameters /	Basis

		exposure)	Permissible concentration	
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm 713 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
Titanium dioxide	13463-67-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2.5 mg/m3 (Titanium dioxide)	ACGIH
Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	64742-95-6	WES-TWA	300 ppm 890 mg/m3	NZ OEL
		WES-STEL	500 ppm 1,480 mg/m3	NZ OEL
Barium sulfate	7727-43-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
Kaolin	1332-58-7	WES-TWA	10 mg/m3	NZ OEL
		WES-TWA	2 mg/m3	NZ OEL

		(Respirable dust)		
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
Wollastonite (Ca(SiO3))	13983-17-0	TWA (Inhalable particulate matter)	1 mg/m3	ACGIH
xylene	1330-20-7	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			
		TWA	20 ppm	ACGIH
2-butoxyethyl acetate	112-07-2	TWA	20 ppm	ACGIH
zinc oxide	1314-13-2	WES-TWA	2 mg/m3	NZ OEL
		WES-TWA (Respirable dust)	0.1 mg/m3	NZ OEL
		WES-STEL	5 mg/m3	NZ OEL

		WES-STEL (Respirable dust)	0.5 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
		STEL (Respirable particulate matter)	10 mg/m3	ACGIH
maleic anhydride	108-31-6	WES-TWA (Inhalable Fraction and Vapour)	0.0025 ppm 0.01 mg/m3	NZ OEL
	Further information: Sensitiser			
		TWA (Inhalable fraction and vapor)	0.01 mg/m3	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
xylene	1330-20-7	Methylhippuric acid	Urine	End of shift	1.5 g/l	NZ BEI
		Methylhippuric acids	Urine	End of shift (As soon as	1.5 g/g creatinine	ACGIH BEI

				possible after exposure ceases)		

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks	:	Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)
Eye protection	:	Required when there is a risk of eye contact. Safety glasses with side-shields conforming to EN166
Skin and body protection	:	Anti-static protective clothing

		Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.
Protective measures	:	Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	white
Odor	:	of acetate
pH	:	substance/mixture is non-polar/aprotic
Melting point/ range	:	not determined
Boiling point/boiling range	:	not determined
Flash point	:	30 °C

Method: ISO 3679

Flammability	:	Flammable liquid and vapour.
Upper explosion limit / Upper flammability limit	:	Upper explosion limit 8.50 %(V)
Lower explosion limit / Lower flammability limit	:	> 35.0 g/m3
Vapor pressure	:	not determined (20 °C) not determined (50 °C)
Density	:	1.445 g/cm3 (20 °C)
Solubility(ies) Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C

Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	411.6 mm2/s (23 °C)
		201.600 mm2/s (40 °C)
Flow time	:	> 60 s (23 °C) Cross section: 6 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics		
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Heat, flames and sparks.

Protect from frost.

Avoid direct sunlight.

Heat.

Incompatible materials : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products : No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg

Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg

Method: Calculation method

Components:

2-butoxyethyl acetate:

Acute oral toxicity : LD50 (Rat): 1,880 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 1,500 mg/kg

maleic anhydride:

Acute oral toxicity	:	LD50 (Rat): 1,090 mg/kg
Acute inhalation toxicity	:	Assessment: Corrosive to the respiratory tract.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

n-Butyl acetate:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability

No data available

Bioaccumulative potential

Components:

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

Titanium dioxide:

Partition coefficient: n-octanol/water	:	Remarks: Not applicable

Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0):

Partition coefficient: n-octanol/water	:	log Pow: 3.17 GLP: no

Barium sulfate:

Partition coefficient: n-octanol/water	:	Pow: 4.26 log Pow: 0.63

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

Wollastonite (Ca(SiO3)):

Partition coefficient: n-octanol/water	:	Remarks: Not applicable

xylene:

Partition coefficient: n-octanol/water	:	log Pow: 3.12 - 3.20 (25 °C) GLP: no Remarks: Information taken from reference works and the

literature.

2-butoxyethyl acetate:

Partition coefficient: n-octanol/water	:	log Pow: 1.51 (25 °C) pH: 7 Method: OECD Test Guideline 107 GLP: no

Fatty acids C14-18 and C16-18 unsat., maleinated:

Partition coefficient: n-octanol/water	:	log Pow: > 4 (23 °C) GLP: yes

maleic anhydride:

Partition coefficient: n-octanol/water	:	log Pow: -2.61 (19.8 °C) GLP: yes

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Environmentally hazardous	:	yes

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	Flammable Liquids
Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

IMDG-Code

UN number	:	UN 1263
Proper shipping name	:	PAINT (ZINC PHOSPHATE, SOLVENT NAPHTHA)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Hazchem Code	:	3Y
Marine pollutant	:	yes

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet.

Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number
HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)
Not applicable

Environmental Exposure Limits (EEL)
Not applicable

HSW Controls
Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date	:	14.11.2025

Further information

Other information	:	For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.
Date format	:	dd.mm.yyyy

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)

ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
NZ BEI	:	New Zealand. Biological Exposure Indices
NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average
NZ OEL / WES-STEL	:	Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship;

REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

SAFETY DATA SHEET

285-49 3L HS NONSANDING FILLER BLACK G2

Version	Revision Date:	SDS Number:	Date of last issue: 15.08.2025
5.0	13.11.2025	000000000050411381	Date of first issue: 01.10.2024

Section 1: Identification

Product name : 285-49 3L HS NONSANDING FILLER BLACK G2

Product code : 000000000050411381

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 3

Skin sensitization : Category 1

Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)
Hazardous to the aquatic environment - chronic hazard	:	Category 2

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements :
H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements :

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing mist or vapors.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : acrylic resin
organic solvent
fillers
nitrocellulose
pigment

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 10 -< 20
Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	64742-95-6	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Respiratory system, Central nervous system), Category 3 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 2	>= 10 -< 20
Kaolin	kaolin	1332-58-7		>= 1 -< 10
Barium sulfate	barium sulfate	7727-43-7		>= 1 -< 10
talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 1 -< 10
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment	>= 2.5 -< 10

			- chronic hazard, Category 1	
Aluminum dihydrogentriphosphate	aluminium dihydrogen triphosphate	13939-25-8	Serious eye damage/eye irritation, Category 2	>= 1 -< 10
Wollastonite (Ca(SiO3))	Wollastonite (Ca(SiO3))	13983-17-0		>= 1 -< 10
zinc oxide	zinc oxide	1314-13-2	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 0.1 -< 0.25
Fatty acids C14-18 and C16-18 unsat., maleinated	Fatty acids, C14-18 and C16-18-unsatd., maleated	85711-46-2	Skin corrosion/irritation, Category 2 Skin sensitization, Category 1	>= 0.1 -< 1
maleic anhydride	maleic anhydride	108-31-6	Acute toxicity (Oral), Category 4 Skin corrosion/irritation, Category 1B Serious eye damage/eye irritation, Category 1 Respiratory sensitization, Category 1	>= 0.001< 0.1 -

			Skin sensitization, Sub-category 1A Specific target organ toxicity - repeated exposure (Inhalation) (Respiratory system), Category 1	

Section 4: First-aid measures

General advice : Never give anything by mouth to an unconscious person.
Move out of dangerous area.
In all cases of doubt, or when symptoms persist, seek medical attention.
Immediately remove contaminated clothing.
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
First aid personnel should pay attention to their own safety.

If inhaled : If breathed in, move person into fresh air.

If breathing is irregular or stopped, administer artificial respiration.

If symptoms persist, call a physician.

In case of skin contact : If symptoms persist, call a physician.

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Do NOT use solvents or thinners.

In case of eye contact	:	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
If swallowed	:	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	May cause an allergic skin reaction. May cause drowsiness or dizziness. Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Notes to physician	:	No known specific antidote. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Dry powder Carbon dioxide (CO2) Water spray

Foam

Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).
Hazardous combustion products	:	Oxides of phosphorus

Advice for firefighters

Specific extinguishing methods	:	Cool containers/tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3Y

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet.
Environmental precautions	:	Do not allow uncontrolled discharge of product into the environment. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Ensure adequate ventilation. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local /

national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.

Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen

		below the exposure limits. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors or spray mist.
Hygiene measures	:	Remove contaminated clothing immediately and dispose of safely. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.
Further information on storage conditions	:	Keep away from heat. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing. Keep in a dry, cool and well-ventilated place.
Materials to avoid	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Recommended storage temperature	:	5.00 - 35.00 °C
Packaging material	:	Suitable material: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene, Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm 713 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	64742-95-6	WES-TWA	300 ppm 890 mg/m3	NZ OEL
		WES-STEL	500 ppm 1,480 mg/m3	NZ OEL

Kaolin	1332-58-7	WES-TWA	10 mg/m3	NZ OEL
		WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
Barium sulfate	7727-43-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
Wollastonite (Ca(SiO3))	13983-17-0	TWA (Inhalable particulate matter)	1 mg/m3	ACGIH
zinc oxide	1314-13-2	WES-TWA	2 mg/m3	NZ OEL
		WES-TWA (Respirable	0.1 mg/m3	NZ OEL

		dust)		
		WES-STEL	5 mg/m3	NZ OEL
		WES-STEL (Respirable dust)	0.5 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
		STEL (Respirable particulate matter)	10 mg/m3	ACGIH
maleic anhydride	108-31-6	WES-TWA (Inhalable Fraction and Vapour)	0.0025 ppm 0.01 mg/m3	NZ OEL
	Further information: Sensitiser			
		TWA (Inhalable fraction and vapor)	0.01 mg/m3	ACGIH

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,35 mm

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of

the product components.

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Request information on glove permeation properties from the glove supplier.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Preventive skin protection

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection : Required when there is a risk of eye contact.

Safety glasses with side-shields conforming to EN166

Skin and body protection : Anti-static protective clothing

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

Protective measures : Do not breathe vapour/spray.

Eye wash fountains and safety showers must be easily accessible.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	black
Odor	:	of acetate
pH	:	substance/mixture is non-soluble (in water)
Melting point/ range	:	not determined
Boiling point/boiling range	:	129 - 139 °C
Flash point	:	30 °C Method: ISO 3679

Flammability	:	Flammable liquid and vapour.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35.0 g/m3
Vapor pressure	:	9.0000 hPa (20 °C) 45.0000 hPa (50 °C)
Density	:	1.454 g/cm3 (20 °C)
Solubility(ies) Water solubility	: :	 not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		

Viscosity, kinematic	:	411.6 mm2/s (23 °C) 398.300 mm2/s (40 °C)
Flow time	:	> 60 s (23 °C) Cross section: 6 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Avoid direct sunlight. Protect from frost. Heat, flames and sparks.

Heat.

Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Components:

maleic anhydride:

Acute oral toxicity	:	LD50 (Rat): 1,090 mg/kg
Acute inhalation toxicity	:	Assessment: Corrosive to the respiratory tract.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

n-Butyl acetate:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization
Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
May cause drowsiness or dizziness.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration toxicity
Based on available data, the classification criteria are not met.

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability
No data available

Bioaccumulative potential

Components:

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0):

Partition coefficient: n-octanol/water	:	log Pow: 3.17 GLP: no

Barium sulfate:

Partition coefficient: n-octanol/water	:	Pow: 4.26 log Pow: 0.63

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

Wollastonite (Ca(SiO3)):

Partition coefficient: n-octanol/water	:	Remarks: Not applicable

Fatty acids C14-18 and C16-18 unsat., maleinated:

Partition coefficient: n-octanol/water	:	log Pow: > 4 (23 °C) GLP: yes

maleic anhydride:

Partition coefficient: n-octanol/water	:	log Pow: -2.61 (19.8 °C) GLP: yes

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Environmentally hazardous	:	yes

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	Flammable Liquids
Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

IMDG-Code

UN number	:	UN 1263

Proper shipping name	:	PAINT (ZINC PHOSPHATE, SOLVENT NAPHTHA)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Hazchem Code	:	3Y
Marine pollutant	:	yes

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number
HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)
Not applicable

Environmental Exposure Limits (EEL)
Not applicable

HSW Controls
Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date	:	13.11.2025

Further information

Other information	:	For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.
Date format	:	dd.mm.yyyy

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)

NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average
NZ OEL / WES-STEL	:	Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating

Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

285-230 3L Primer Filler Pro G2 White

Version	Revision Date:	SDS Number:	Date of last issue: 15.08.2025
5.0	14.11.2025	000000000050462159	Date of first issue: 28.11.2024

Section 1: Identification

Product name : 285-230 3L Primer Filler Pro G2 White

Product code : 000000000050462159

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 3

Skin sensitization : Category 1

Specific target organ toxicity - : Category 2 (Kidney, Liver, Central nervous system)

repeated exposure

Hazardous to the aquatic environment - chronic hazard : Category 2

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe mist or vapors.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing. Rinse skin with water.
P314 Get medical advice/ attention if you feel unwell.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.
Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : acrylic resin
saturated polyester resin
fillers
epoxy resin
organic solvent
inorganic compounds
pigment

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central	>= 10 -< 20

			nervous system), Category 3	
Barium sulfate	barium sulfate	7727-43-7		>= 10 -< 20
Titanium dioxide	titanium dioxide	13463-67-7		>= 10 -< 20
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 2.5 -< 10
talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 1 -< 10
1-methoxy-2-propylacetate	2-methoxy-1-methylethyl acetate	108-65-6	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 1 -< 10
Aromatic epoxy compound MG 700-1100	4,4'-(1-Methylethylidene)bisphenol polymer with (chloromethyl)oxirane	25068-38-6	Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Skin sensitization, Category 1	>= 1 -< 10
2-butoxyethyl acetate	2-butoxyethyl acetate	112-07-2	Flammable liquids, Category 4 Acute toxicity (Oral), Category 4	>= 1 -< 10

			Acute toxicity (Dermal), Category 4	
xylene	xylenes	1330-20-7	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Specific target organ toxicity - repeated exposure (Kidney, Liver, Central nervous system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	>= 1 -< 2.5
Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	64742-95-6	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Respiratory system, Central nervous system), Category 3	>= 1 -< 2.5

			Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 2	

Section 4: First-aid measures

General advice : Never give anything by mouth to an unconscious person.
Move out of dangerous area.
In all cases of doubt, or when symptoms persist, seek medical attention.
Immediately remove contaminated clothing.
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
First aid personnel should pay attention to their own safety.

If inhaled : If breathed in, move person into fresh air.

If breathing is irregular or stopped, administer artificial respiration.

If symptoms persist, call a physician.

In case of skin contact : If symptoms persist, call a physician.

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Do NOT use solvents or thinners.

In case of eye contact : If symptoms persist, call a physician.

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at

least 15 minutes.

If swallowed : Rinse mouth with water.

Do not induce vomiting due to aspiration hazard.

Keep at rest.

If swallowed, call a poison control center or doctor immediately.

Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.

May cause damage to organs through prolonged or repeated exposure.

Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Notes to physician : No known specific antidote.
Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media : Water spray

Dry powder

Foam

Carbon dioxide (CO2)

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).
Hazardous combustion products	:	Oxides of phosphorus

Advice for firefighters

Specific extinguishing methods	:	Cool containers/tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3Y

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas.

Keep away from sources of ignition.

For emergency responders:

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.

Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors.

Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions : Avoid direct sunlight.

Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel.

Always keep in containers of same material as the original one.

Observe label precautions.

Keep in a dry, cool and well-ventilated place.

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Packaging material : Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm	NZ OEL

			713 mg/m3	
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
Barium sulfate	7727-43-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
Titanium dioxide	13463-67-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2.5 mg/m3 (Titanium dioxide)	ACGIH
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
2-butoxyethyl acetate	112-07-2	TWA	20 ppm	ACGIH
xylene	1330-20-7	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			
		TWA	20 ppm	ACGIH

Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	64742-95-6	WES-TWA	300 ppm 890 mg/m3	NZ OEL
		WES-STEL	500 ppm 1,480 mg/m3	NZ OEL

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
xylene	1330-20-7	Methylhippuric acid	Urine	End of shift	1.5 g/l	NZ BEI
		Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks	:	Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. butyl rubber gloves - material thickness: 0.5 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Preventive skin protection

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection : Required when there is a risk of eye contact.

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Skin and body protection : Anti-static protective clothing

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

Protective measures : Do not breathe vapour/spray.

Eye wash fountains and safety showers must be easily accessible.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	white
Odor	:	of acetate
pH	:	substance/mixture is non-soluble (in water)
Melting point/ range	:	not determined
Boiling point/boiling range	:	128 - 138 °C Method: calculated
Flash point	:	27 °C Method: ISO 3679
Flammability	:	Flammable liquid and vapour.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35 g/m3

Vapor pressure	:	9.0000 hPa (20 °C) Method: calculated 45.0000 hPa (50 °C) Method: calculated
Density	:	1.542 g/cm3 (20 °C)
Solubility(ies) Water solubility	: :	 not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity Viscosity, kinematic	: :	 not determined (40 °C) 411.6 mm2/s (23 °C)
Flow time	:	> 60 s (23 °C) Cross section: 6 mm Method: ISO 2431

Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics		
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Avoid direct sunlight. Heat, flames and sparks.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method

Components:

2-butoxyethyl acetate:

Acute oral toxicity	:	LD50 (Rat): 1,880 mg/kg
Acute dermal toxicity	:	LD50 (Rabbit): 1,500 mg/kg

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

n-Butyl acetate:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Product:

No aspiration toxicity classification

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability

No data available

Bioaccumulative potential

Components:

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

Barium sulfate:

Partition coefficient: n-octanol/water	:	Pow: 4.26 log Pow: 0.63

Titanium dioxide:

Partition coefficient: n-octanol/water	:	Remarks: Not applicable

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

1-methoxy-2-propylacetate:

Partition coefficient: n-	:	log Pow: 1.2 (20 °C)

octanol/water		pH: 6.8 Method: OECD Test Guideline 117 GLP: yes

2-butoxyethyl acetate:

Partition coefficient: n-octanol/water	:	log Pow: 1.51 (25 °C) pH: 7 Method: OECD Test Guideline 107 GLP: no

xylene:

Partition coefficient: n-octanol/water	:	log Pow: 3.12 - 3.20 (25 °C) GLP: no Remarks: Information taken from reference works and the literature.

Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0):

Partition coefficient: n-octanol/water	:	log Pow: 3.17 GLP: no

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Environmentally hazardous	:	yes

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III

Labels	:	Flammable Liquids
Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

IMDG-Code

UN number	:	UN 1263
Proper shipping name	:	PAINT (ZINC PHOSPHATE, SOLVENT NAPHTHA)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III

Labels	:	3
Hazchem Code	:	3Y
Marine pollutant	:	yes

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number
HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)
Not applicable

Environmental Exposure Limits (EEL)
Not applicable

HSW Controls
Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date	:	14.11.2025

Further information

Other information	:	For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.
Date format	:	dd.mm.yyyy

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
NZ BEI	:	New Zealand. Biological Exposure Indices
NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average
NZ OEL / WES-STEL	:	Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea

Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

285-270 3L PRIMER FILLER PRO G2

Version	Revision Date:	SDS Number:	Date of last issue: 22.08.2025
5.0	14.11.2025	000000000050411187	Date of first issue: 30.04.2024

Section 1: Identification

Product name : 285-270 3L PRIMER FILLER PRO G2

Product code : 000000000050411187

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 3

Skin sensitization : Category 1

Specific target organ toxicity - : Category 2 (Kidney, Liver, Central nervous system)

repeated exposure

Hazardous to the aquatic environment - chronic hazard : Category 2

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe mist or vapors.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing. Rinse skin with water.
P314 Get medical advice/ attention if you feel unwell.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.
Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : acrylic resin
saturated polyester resin
fillers
epoxy resin
organic solvent
inorganic compounds
pigment

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central	>= 10 -< 20

			nervous system), Category 3	
Barium sulfate	barium sulfate	7727-43-7		>= 10 -< 20
Titanium dioxide	titanium dioxide	13463-67-7		>= 10 -< 20
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 2.5 -< 10
talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 1 -< 10
1-methoxy-2-propylacetate	2-methoxy-1-methylethyl acetate	108-65-6	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 1 -< 10
Aromatic epoxy compound MG 700-1100	4,4'-(1-Methylethylidene)bisphenol polymer with (chloromethyl)oxirane	25068-38-6	Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Skin sensitization, Category 1	>= 1 -< 10
2-butoxyethyl acetate	2-butoxyethyl acetate	112-07-2	Flammable liquids, Category 4 Acute toxicity (Oral), Category 4	>= 1 -< 10

			Acute toxicity (Dermal), Category 4	
xylene	xylenes	1330-20-7	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Specific target organ toxicity - repeated exposure (Kidney, Liver, Central nervous system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	>= 1 -< 2.5
Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	64742-95-6	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Respiratory system, Central nervous system), Category 3	>= 1 -< 2.5

			Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 2	

Section 4: First-aid measures

General advice : Never give anything by mouth to an unconscious person.
Move out of dangerous area.
In all cases of doubt, or when symptoms persist, seek medical attention.
Immediately remove contaminated clothing.
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
First aid personnel should pay attention to their own safety.

If inhaled : If breathed in, move person into fresh air.

If breathing is irregular or stopped, administer artificial respiration.

If symptoms persist, call a physician.

In case of skin contact : If symptoms persist, call a physician.

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Do NOT use solvents or thinners.

In case of eye contact : If symptoms persist, call a physician.

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at

		least 15 minutes.
If swallowed	:	Rinse mouth with water. Do not induce vomiting due to aspiration hazard. Keep at rest. If swallowed, call a poison control center or doctor immediately.
Most important symptoms and effects, both acute and delayed	:	May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Notes to physician	:	No known specific antidote. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Water spray Dry powder Foam Carbon dioxide (CO2)
Unsuitable extinguishing media	:	High volume water jet

Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).
Hazardous combustion products	:	Oxides of phosphorus

Advice for firefighters

Specific extinguishing methods	:	Cool containers/tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3Y

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas.

Keep away from sources of ignition.

For emergency responders:

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.

Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors.

Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

		Wash hands before breaks and at the end of workday.
		Keep away from food, drink and animal feedingstuffs.
Further information on storage conditions	:	Avoid direct sunlight.
		Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel.
		Always keep in containers of same material as the original one.
		Observe label precautions.
		Keep in a dry, cool and well-ventilated place.
		Keep away from heat.
		Store protected against freezing.
Materials to avoid	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Recommended storage temperature	:	5.00 - 35.00 °C
Packaging material	:	Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type	Control	Basis

		(Form of exposure)	parameters / Permissible concentration	
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm 713 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
Barium sulfate	7727-43-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
Titanium dioxide	13463-67-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2.5 mg/m3 (Titanium dioxide)	ACGIH
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH

2-butoxyethyl acetate	112-07-2	TWA	20 ppm	ACGIH
xylene	1330-20-7	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			
		TWA	20 ppm	ACGIH
Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	64742-95-6	WES-TWA	300 ppm 890 mg/m3	NZ OEL
		WES-STEL	500 ppm 1,480 mg/m3	NZ OEL

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
xylene	1330-20-7	Methylhippuric acid	Urine	End of shift	1.5 g/l	NZ BEI
		Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection	:	Suitable respiratory equipment: half-mask with A1P2 class combination filter In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hand protection		
Remarks	:	Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. butyl rubber gloves - material thickness: 0.5 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer,

the raw material manufacturer or according to specifics of the product components.

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Request information on glove permeation properties from the glove supplier.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Preventive skin protection

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection : Required when there is a risk of eye contact.

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Skin and body protection : Anti-static protective clothing

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

Protective measures : Do not breathe vapour/spray.

Eye wash fountains and safety showers must be easily accessible.

If these are not sufficient to maintain concentrations at the

workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	gray
Odor	:	of acetate
pH	:	substance/mixture is non-soluble (in water)
Melting point/ range	:	not determined
	:	128.00 - 138.00 °C
Flash point	:	25 °C Method: ISO 3679
Flammability	:	Flammable liquid and vapour.

Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35.0 g/m3
Vapor pressure	:	9.0000 hPa (20 °C) 46.0000 hPa (50 °C)
Density	:	1.581 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	not determined (40 °C) 411.6 mm2/s (23 °C)

Flow time	:	> 60 s (23 °C) Cross section: 6 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Avoid direct sunlight. Heat, flames and sparks. Protect from frost. Heat.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition	:	No decomposition if stored and applied as directed.

products

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg

Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg

Method: Calculation method

Components:

2-butoxyethyl acetate:

Acute oral toxicity : LD50 (Rat): 1,880 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 1,500 mg/kg

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

n-Butyl acetate:

Assessment : Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Product:

No aspiration toxicity classification

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability

No data available

Bioaccumulative potential

Components:

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

Barium sulfate:

Partition coefficient: n-octanol/water	:	Pow: 4.26 log Pow: 0.63

Titanium dioxide:

Partition coefficient: n-octanol/water	:	Remarks: Not applicable

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

1-methoxy-2-propylacetate:

Partition coefficient: n-octanol/water	:	log Pow: 1.2 (20 °C) pH: 6.8 Method: OECD Test Guideline 117 GLP: yes

2-butoxyethyl acetate:

Partition coefficient: n-octanol/water	:	log Pow: 1.51 (25 °C) pH: 7 Method: OECD Test Guideline 107 GLP: no

xylene:

Partition coefficient: n-octanol/water	:	log Pow: 3.12 - 3.20 (25 °C) GLP: no Remarks: Information taken from reference works and the literature.

Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0):

Partition coefficient: n-octanol/water	:	log Pow: 3.17 GLP: no

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3

Environmentally hazardous	:	yes

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	Flammable Liquids
Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

IMDG-Code

UN number	:	UN 1263
Proper shipping name	:	PAINT (ZINC PHOSPHATE, SOLVENT NAPHTHA)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Hazchem Code	:	3Y
Marine pollutant	:	yes

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL)

Not applicable

HSW Controls

Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date	:	14.11.2025

Further information

Other information	:	For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.
Date format	:	dd.mm.yyyy

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
NZ BEI	:	New Zealand. Biological Exposure Indices
NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average
NZ OEL / WES-STEL	:	Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL

- Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

285-290 3L Primer Filler Pro G2 Black

Version	Revision Date:	SDS Number:	Date of last issue: 08.06.2025
4.0	14.11.2025	000000000050462153	Date of first issue: 27.11.2024

Section 1: Identification

Product name : 285-290 3L Primer Filler Pro G2 Black

Product code : 000000000050462153

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products
Spraying

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 3

Skin sensitization : Category 1

Carcinogenicity	:	Category 2
Specific target organ toxicity - repeated exposure	:	Category 2 (Kidney, Liver, Central nervous system)
Hazardous to the aquatic environment - chronic hazard	:	Category 2

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements :
H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H373 May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements :
Prevention:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.

P260 Do not breathe mist or vapors.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature	:	acrylic resin saturated polyester resin fillers epoxy resin organic solvent

inorganic compounds
pigment

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 10 -< 20
Barium sulfate	barium sulfate	7727-43-7		>= 10 -< 20
Kaolin	kaolin	1332-58-7		>= 1 -< 10
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 2.5 -< 10
1-methoxy-2-propylacetate	2-methoxy-1-methylethyl acetate	108-65-6	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 1 -< 10
talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 1 -< 10
2-butoxyethyl acetate	2-butoxyethyl acetate	112-07-2	Flammable liquids, Category 4	>= 1 -< 10

			Acute toxicity (Oral), Category 4 Acute toxicity (Dermal), Category 4	
Aromatic epoxy compound MG 700-1100	4,4'-(1-Methylethylidene)bisphenol polymer with (chloromethyl)oxirane	25068-38-6	Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Skin sensitization, Category 1	>= 1 -< 10
carbon black	carbon black	1333-86-4		>= 1 -< 10
xylene	xylenes	1330-20-7	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Specific target organ toxicity - repeated exposure (Kidney, Liver, Central nervous system), Category 2 Aspiration hazard, Category 1	>= 1 -< 2.5

			Hazardous to the aquatic environment - chronic hazard, Category 3	
4-methylpentan-2-one	4-methylpentan-2-one	108-10-1	Flammable liquids, Category 2 Acute toxicity (Inhalation), Category 4 Serious eye damage/eye irritation, Category 2 Carcinogenicity, Category 2 Specific target organ toxicity - single exposure (Respiratory system, Central nervous system), Category 3	>= 0.1 -< 1

Section 4: First-aid measures

General advice : Never give anything by mouth to an unconscious person.
Move out of dangerous area.
In all cases of doubt, or when symptoms persist, seek medical attention.
Immediately remove contaminated clothing.
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
First aid personnel should pay attention to their own safety.

If inhaled : If breathed in, move person into fresh air.

		If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
In case of skin contact	:	Do NOT use solvents or thinners. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
In case of eye contact	:	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
If swallowed	:	Rinse mouth with water. Do not induce vomiting due to aspiration hazard. Keep at rest. If swallowed, call a poison control center or doctor immediately.
Most important symptoms and effects, both acute and delayed	:	May cause an allergic skin reaction. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Notes to physician	:	No known specific antidote.

Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media : Water spray

Dry powder

Foam

Carbon dioxide (CO2)

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire fighting : Fire will produce dense black smoke containing hazardous combustion products (see section 10).

Hazardous combustion products : Oxides of phosphorus

Advice for firefighters

Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Cool containers/tanks with water spray.

Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3Y

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet.
Environmental precautions	:	Do not allow uncontrolled discharge of product into the environment. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up	:	Ensure adequate ventilation. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against fire and explosion	:	Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.
Advice on safe handling	:	Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such

circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions : Keep away from heat.

Avoid direct sunlight.

Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel.

Always keep in containers of same material as the original one.

Observe label precautions.

Store protected against freezing.

Keep in a dry, cool and well-ventilated place.

Materials to avoid	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Recommended storage temperature	:	35.00 °C
Packaging material	:	Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm 713 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
Barium sulfate	7727-43-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH

Kaolin	1332-58-7	WES-TWA	10 mg/m3	NZ OEL
		WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
2-butoxyethyl acetate	112-07-2	TWA	20 ppm	ACGIH
carbon black	1333-86-4	WES-TWA	3 mg/m3	NZ OEL
	Further information: Suspected human carcinogen			
		TWA (Inhalable particulate matter)	3 mg/m3	ACGIH
xylene	1330-20-7	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			
		TWA	20 ppm	ACGIH

4-methylpentan-2-one	108-10-1	WES-TWA	50 ppm 205 mg/m3	NZ OEL
		WES-STEL	75 ppm 307 mg/m3	NZ OEL
		TWA	20 ppm	ACGIH
		STEL	75 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
xylene	1330-20-7	Methylhippuric acid	Urine	End of shift	1.5 g/l	NZ BEI
		Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI
4-methylpentan-2-one	108-10-1	MIBK	Urine	End of shift	0.7 mg/l	NZ BEI
		methyl isobutyl ketone	Urine	End of shift (As soon as possible after exposure	1 mg/l	ACGIH BEI

				ceases)		

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

butyl rubber gloves - material thickness: 0.5 mm

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Request information on glove permeation properties from the glove supplier.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Preventive skin protection

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection : Required when there is a risk of eye contact.

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Skin and body protection : Anti-static protective clothing

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

Protective measures	:	Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	black
Odor	:	of acetate
pH	:	substance/mixture is non-polar/aprotic
Melting point/ range	:	not determined
	:	124.00 - 195.00 °C
Flash point	:	25 °C Method: ISO 3679

Flammability	:	Flammable liquid and vapour.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35.0 g/m3
Vapor pressure	:	not determined (20 °C) not determined (50 °C)
Density	:	1.417 g/cm3 (20 °C)
Solubility(ies) Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.

Viscosity		
Viscosity, kinematic	:	not determined (40 °C)
		411.6 mm2/s (23 °C)
Flow time	:	> 60 s Cross section: 6 mm
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics		
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Heat, flames and sparks.
		Protect from frost.
		Avoid direct sunlight.

Heat.

Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method

Components:

2-butoxyethyl acetate:

Acute oral toxicity	:	LD50 (Rat): 1,880 mg/kg
Acute dermal toxicity	:	LD50 (Rabbit): 1,500 mg/kg

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

n-Butyl acetate:

Assessment : Repeated exposure may cause skin dryness or cracking.

4-methylpentan-2-one:

Assessment : Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Product:

No aspiration toxicity classification

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability

No data available

Bioaccumulative potential

Components:

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

Barium sulfate:

Partition coefficient: n-octanol/water	:	Pow: 4.26 log Pow: 0.63

1-methoxy-2-propylacetate:

Partition coefficient: n-octanol/water	:	log Pow: 1.2 (20 °C) pH: 6.8 Method: OECD Test Guideline 117 GLP: yes

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

2-butoxyethyl acetate:

Partition coefficient: n-octanol/water	:	log Pow: 1.51 (25 °C) pH: 7 Method: OECD Test Guideline 107 GLP: no

carbon black:

Partition coefficient: n-	:	Remarks: Not applicable

octanol/water

xylene:

Partition coefficient: n-octanol/water	:	log Pow: 3.12 - 3.20 (25 °C) GLP: no Remarks: Information taken from reference works and the literature.

4-methylpentan-2-one:

Partition coefficient: n-octanol/water	:	Pow: 79 (20 °C) log Pow: 1.9 (20 °C) pH: 6.7 Method: OECD Test Guideline 117 GLP: no

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Environmentally hazardous	:	yes

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	Flammable Liquids
Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

IMDG-Code

UN number	:	UN 1263

Proper shipping name	:	PAINT (ZINC PHOSPHATE)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Hazchem Code	:	3Y
Marine pollutant	:	yes

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number
HSR002669 Surface Coatings and Colourants Flammable Carcinogenic Group Standard

Tolerable Exposure Limits (TEL)
Not applicable

Environmental Exposure Limits (EEL)
Not applicable

HSW Controls
Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date	:	14.11.2025

Further information

Other information	:	For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.
Date format	:	dd.mm.yyyy

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)

NZ BEI	:	New Zealand. Biological Exposure Indices
NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average
NZ OEL / WES-STEL	:	Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating

Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

We create chemistry

Safety data sheet

BASF Safety data sheet
Date / Revised: 01.03.2024 Version: 8.0
Product: **285-505 3L HS PRIMER FILLER GREY G2**
(50411353/SDS_GEN_NZ/EN)
Date of print: 07.03.2024

1. Substance/preparation and manufacturer/supplier identification

Product name:
285-505 3L HS PRIMER FILLER GREY G2

Use: Coatings and related products

Manufacturer/supplier:
BASF New Zealand Ltd.
5E City Works Depot
77 Cook Street
Auckland Central, Auckland 1010
NEW ZEALAND
Telephone: +64 9 255-4300
Telefax number: +64 9 255-4307

Emergency information:
National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

2. Hazard identification

Classification of the substance and mixture:
Skin corrosion/irritation: Cat.3
Hazardous to the aquatic environment - acute: Cat.2
Hazardous to the aquatic environment - chronic: Cat.2
Flammable liquids: Cat.3
Skin sensitization: Cat.1A
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P391	Collect spillage.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

acrylic resin, fillers, nitrocellulose, organic solvent, pigment, saturated polyester resin, epoxy resin

Hazardous ingredients

zinc phosphate

Content (W/W): >= 10 % - < 12.5 %	Aquatic Acute: Cat. 1
CAS Number: 7779-90-0	Aquatic Chronic: Cat. 1
	M-factor acute: 1
	M-factor chronic: 1

n-Butyl acetate

Content (W/W): >= 10 % - < 12.5 %	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

1-methoxy-2-propylacetate

Content (W/W): >= 7 % - < 10 %	Flam. Liq.: Cat. 3
CAS Number: 108-65-6	STOT SE: Cat. 3 (drowsiness and dizziness)

Solventnaphtha (petroleum), light aromatic

Content (W/W): >= 5 % - < 7 %	Asp. Tox.: Cat. 1
CAS Number: 64742-95-6	Flam. Liq.: Cat. 3
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Chronic: Cat. 2

xylene

Content (W/W): >= 1 % - < 2 %	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

Aromatic epoxy compound MG 700-1100

Content (W/W): >= 1 % - < 2 %	Skin Corr./Irrit.: Cat. 2
CAS Number: 25068-38-6	Skin Sens.: Cat. 1
	Eye Dam./Irrit.: Cat. 2A

4-methylpentan-2-one

Content (W/W): >= 0.3 % - < 0.5 %	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

Fatty acids C14-18 and C16-18 unsat., maleinated

Content (W/W): >= 0.1 % - < 0.2 %	Skin Corr./Irrit.: Cat. 2
CAS Number: 85711-46-2	Skin Sens.: Cat. 1

maleic anhydride

Content (W/W): > 0 % - < 0.1 %	Acute Tox.: Cat. 4 (oral)
CAS Number: 108-31-6	Skin Corr./Irrit.: Cat. 1B
	Eye Dam./Irrit.: Cat. 1
	Resp. Sens.: Cat. 1
	Skin Sens.: Cat. 1A
	STOT RE (Respiratory system): Cat. 1 (by inhalation)
	Aquatic Acute: Cat. 3

4. First-Aid Measures

General advice:
First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

If inhaled:
Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:
If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:
If symptoms persist, seek medical advice. Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution.

On ingestion:
Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:
Symptoms: allergic symptoms, dazed state, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Antidote: No known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:
water jet

Specific hazards:
phosphorus oxides
Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:
Appropriate breathing apparatus may be required.

Further information:
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental Release Measures

Personal precautions:
Avoid breathing vapours.For non-emergency personnel:Use personal protective clothing.Ensure adequate ventilation.Keep away from sources of ignition.For emergency responders:Advice on product handling can be found in sections 7 and 8 of this safety data sheet.Information regarding personal protective measures, see section 8.

Environmental precautions:
Do not allow to enter drains or waterways.If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:
Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

8. Exposure controls and personal protection

Components with occupational exposure limits

4-methylpentan-2-one, 108-10-1;
STEL value 75 ppm (ACGIHTLV)
TWA value 20 ppm (ACGIHTLV)
TWA value 205 mg/m3 ; 50 ppm (OEL (NZ))
STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

maleic anhydride, 108-31-6;

TWA value 0.01 mg/m3 (ACGIHTLV), Inhalable fraction and vapor
TWA value 0.01 mg/m3 ; 0.0025 ppm (OEL (NZ)), Inhalable fraction and vapor

n-Butyl acetate, 123-86-4;
STEL value 150 ppm (ACGIHTLV)
TWA value 50 ppm (ACGIHTLV)
TWA value 713 mg/m3 ; 150 ppm (OEL (NZ))
STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;
TWA value 20 ppm (ACGIHTLV)
TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

Solventnaphtha (petroleum), light aromatic, 64742-95-6;

Personal protective equipment

Respiratory protection:
Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

Hand protection:
Further information on penetration time is available from the manufacturer of the glove.
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).
Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.
nitrile gloves - material thickness: 0,35 mm

Eye protection:
Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:
Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:
Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

9. Physical and Chemical Properties

Form:	liquid	
Colour:	grey	
Odour:	aromatic	
pH value:	substance/mixture is non-soluble (in water)	
Melting point:	not determined	
onset of boiling:	114 °C	(calculated)
Flash point:	30 °C	(ISO 3679)
Evaporation rate:	not determined	
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m3	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.596 g/cm3 (20 °C)	
Relative vapour density (air):	Heavier than air.	
Solubility in water:	not determined	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	411.6 mm2/s (23 °C)	

	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

10. Stability and Reactivity

Conditions to avoid:
Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:
Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:
Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:
The product is stable if stored and handled as prescribed/indicated.

Reactivity:
No hazardous reactions if stored and handled as prescribed/indicated.

11. Toxicological Information

Routes of exposure

Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

Symptoms

allergic symptoms dazed state dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Irritation

Assessment of irritating effects:
The liquid splashed in the eyes may cause irritation and reversible damage. Skin contact causes slight irritation.

Respiratory/Skin sensitization

Assessment of sensitization:
Sensitization after skin contact possible.

Germ cell mutagenicity

Assessment of mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity:
Based on available data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:
Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Possible narcotic effects (drowsiness or dizziness).

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
Based on available data, the classification criteria are not met.

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
Toxic to aquatic life. Toxic to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

Mobility

Assessment transport between environmental compartments:
No data available.

Persistence and degradability

Assessment biodegradation and elimination (H2O):
Biological degradability of hazardous substances mentioned in section 3:

Information on: maleic anhydride
Elimination information:
93 % DOC reduction (21 d) (OECD 301E/92/69/EWG, C.4-B) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable (according to OECD criteria).
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: n-Butyl acetate
Elimination information:
80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene
Elimination information:
87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: zinc phosphate

Bioaccumulation potential

Bioaccumulation potential:
No data available.

13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.
Observe national and local legal requirements.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Domestic transport:

UN number or ID number:	UN 1263
UN proper shipping name:	PAINT
Transport hazard class(es):	3, EHSM
Packing group:	III
Environmental hazards:	yes
Special precautions for user:	None known

Further information
Hazchem Code:3Y
IERG Number:14

Sea transport
IMDG

UN number or ID number:	UN 1263
UN proper shipping name:	PAINT (ZINC PHOSPHATE)
Transport hazard class(es):	3, EHSM
Packing group:	III
Environmental hazards:	yes Marine pollutant: YES
Special precautions for user:	EmS: F-E; S-E

Air transport
IATA/ICAO

UN number or ID number:	UN 1263
UN proper shipping name:	PAINT
Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	No Mark as dangerous for the environment is needed
Special precautions for user:	None known

15. Regulatory Information

Other regulations

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.
Tracking requirements do not apply to this substance.
A certified handler is not required for the handling of this substance.

16. Other Information

For multi-pack systems observe material safety data sheets of all components.Restricted to professional users.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

285-555 3L HS Primer Filler black G2

Version	Revision Date:	SDS Number:	Date of last issue: 22.08.2025
5.0	14.11.2025	000000000050411338	Date of first issue: 01.10.2024

Section 1: Identification

Product name : 285-555 3L HS Primer Filler black G2

Product code : 000000000050411338

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 3

Serious eye damage/eye irritation : Category 1

Skin sensitization	:	Category 1
Specific target organ toxicity - repeated exposure	:	Category 2 (Kidney, Liver, Central nervous system, Auditory system)
Hazardous to the aquatic environment - chronic hazard	:	Category 2

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements :
H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H373 May cause damage to organs (Kidney, Liver, Central nervous system, Auditory system) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements :

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe mist or vapors.
P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P314 Get medical advice/ attention if you feel unwell.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.
Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : acrylic resin
epoxy resin
nitrocellulose
organic solvent
pigment
fillers

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
Limestone	limestone	1317-65-3		>= 10 -< 20
Kaolin	kaolin	1332-58-7		>= 10 -< 20
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 10 -< 20
xylene	xylenes	1330-20-7	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Specific target organ toxicity - repeated exposure (Kidney, Liver, Central nervous system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard,	>= 2.5 -< 10

			Category 3	
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 2.5 -< 10
Ceramic materials and wares	Ceramic materials and wares, chemicals	66402-68-4	Serious eye damage/eye irritation, Category 1	>= 3 -< 10
talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 1 -< 10
1-methoxy-2-propylacetate	2-methoxy-1-methylethyl acetate	108-65-6	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 1 -< 10
Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	64742-95-6	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Respiratory system, Central nervous system), Category 3 Aspiration hazard, Category 1 Hazardous to the aquatic environment	>= 1 -< 2.5

			- chronic hazard, Category 2	
ethylbenzene	ethylbenzene	100-41-4	Flammable liquids, Category 2 Acute toxicity (Inhalation), Category 4 Specific target organ toxicity - repeated exposure (Auditory system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	>= 1 -< 2.5
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]	25036-25-3	Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Skin sensitization, Category 1	>= 1 -< 10
2,3-Epoxypropyl neodecanoate	2,3-epoxypropyl neodecanoate	26761-45-5	Skin sensitization, Category 1 Germ cell mutagenicity, Category 2 Hazardous to the aquatic environment - chronic hazard, Category 2	>= 0.1 -< 0.25

Section 4: First-aid measures

General advice	:	Never give anything by mouth to an unconscious person. Move out of dangerous area. In all cases of doubt, or when symptoms persist, seek medical attention. Immediately remove contaminated clothing. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). First aid personnel should pay attention to their own safety.
If inhaled	:	If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
In case of skin contact	:	If symptoms persist, call a physician. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Do NOT use solvents or thinners.
In case of eye contact	:	If easy to do, remove contact lens, if worn. Call a physician immediately. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
If swallowed	:	Rinse mouth.

Do NOT induce vomiting.

If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.

Causes serious eye damage.

May cause damage to organs through prolonged or repeated exposure.

Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Notes to physician : No known specific antidote.
Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media : Water spray

Dry powder

Foam

Carbon dioxide (CO2)

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire fighting : Fire will produce dense black smoke containing hazardous combustion products (see section 10).

Hazardous combustion products	:	Oxides of phosphorus

Advice for firefighters

Specific extinguishing methods	:	Cool containers/tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3Y

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8

of this safety data sheet.

Environmental precautions : Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains inform respective authorities.

Do not allow uncontrolled discharge of product into the environment.

Methods and materials for containment and cleaning up : Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.

Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Advice on safe handling	:	Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors or spray mist.
Hygiene measures	:	Remove contaminated clothing immediately and dispose of safely. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.
Further information on storage conditions	:	Avoid direct sunlight. Close containers carefully once opened and store them

upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel.

Always keep in containers of same material as the original one.

Observe label precautions.

Keep in a dry, cool and well-ventilated place.

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Packaging material : Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Limestone	1317-65-3	WES-TWA	10 mg/m3 (Calcium carbonate)	NZ OEL
Kaolin	1332-58-7	WES-TWA	10 mg/m3	NZ OEL
		WES-TWA (Respirable dust)	2 mg/m3	NZ OEL

		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm 713 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
xylene	1330-20-7	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			
		TWA	20 ppm	ACGIH
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	64742-95-6	WES-TWA	300 ppm 890 mg/m3	NZ OEL
		WES-STEL	500 ppm	NZ OEL

			1,480 mg/m3	
ethylbenzene	100-41-4	WES-TWA	20 ppm 88 mg/m3	NZ OEL
	Further information: Ototoxin, Skin absorption			
		WES-STEL	40 ppm 176 mg/m3	NZ OEL
	Further information: Ototoxin, Skin absorption			
		TWA	20 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
xylene	1330-20-7	Methylhippuric acid	Urine	End of shift	1.5 g/l	NZ BEI
		Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI
ethylbenzene	100-41-4	Sum of mandelic acid and phenylglyoxylic acids	Urine	End of exposure or end of shift	0.25 g/g creatinine	NZ BEI

		Sum of mandelic acid and phenyl glyoxylic acid	Urine	End of shift (As soon as possible after exposure ceases)	0.15 g/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks	:	Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)
Eye protection	:	Required when there is a risk of eye contact.

		Tightly fitting safety goggles (splash goggles) (e.g. EN 166)
Skin and body protection	:	Anti-static protective clothing Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.
Protective measures	:	Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	black
Odor	:	aromatic
pH	:	substance/mixture is non-soluble (in water)
Melting point/ range	:	not determined
Boiling point/boiling range	:	114.00 - 181.00 °C

not determined

Flash point	:	28 °C Method: ISO 3679
Flammability	:	Flammable liquid and vapour.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35.0 g/m3
Vapor pressure	:	13.0000 hPa (20 °C) not determined (50 °C)
Relative vapor density	:	Heavier than air.
Density	:	1.504 g/cm3 (20 °C)
Solubility(ies) Water solubility	:	not determined

Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	350.800 mm2/s (40 °C)
		411.6 mm2/s (23 °C)
Flow time	:	> 60 s (23 °C) Cross section: 6 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics		
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.

Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Avoid direct sunlight. Heat, flames and sparks.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

n-Butyl acetate:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to organs (Kidney, Liver, Central nervous system, Auditory system) through prolonged or repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1

M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability

No data available

Bioaccumulative potential

Components:

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

xylene:

Partition coefficient: n-octanol/water	:	log Pow: 3.12 - 3.20 (25 °C) GLP: no Remarks: Information taken from reference works and the literature.

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

1-methoxy-2-propylacetate:

Partition coefficient: n-octanol/water	:	log Pow: 1.2 (20 °C) pH: 6.8 Method: OECD Test Guideline 117 GLP: yes

Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0):

Partition coefficient: n-octanol/water	:	log Pow: 3.17 GLP: no

ethylbenzene:

Partition coefficient: n-octanol/water	:	Pow: 4,170 (20 °C) log Pow: 3.6 (20 °C) pH: 7.8 GLP: yes

2,3-Epoxypropyl neodecanoate:

Partition coefficient: n-octanol/water	:	log Pow: 4.4 (25 °C) Method: OECD Test Guideline 107 GLP: yes

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Environmentally hazardous	:	yes

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT

Class	:	3
Packing group	:	III
Labels	:	Flammable Liquids
Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

IMDG-Code

UN number	:	UN 1263
Proper shipping name	:	PAINT (ZINC PHOSPHATE, SOLVENT NAPHTHA)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT

Class	:	3
Packing group	:	III
Labels	:	3
Hazchem Code	:	3Y
Marine pollutant	:	yes

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL)

Not applicable

HSW Controls

Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date	:	14.11.2025

Further information

Other information	:	For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.
Date format	:	dd.mm.yyyy

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
NZ BEI	:	New Zealand. Biological Exposure Indices
NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average
NZ OEL / WES-STEL	:	Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying

Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

285-655 3L HS PRIMER FILLER WHITE G2

Version	Revision Date:	SDS Number:	Date of last issue: 15.08.2025
4.0	14.11.2025	000000000050411384	Date of first issue: 25.03.2024

Section 1: Identification

Product name : 285-655 3L HS PRIMER FILLER WHITE G2

Product code : 000000000050411384

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 3

Specific target organ toxicity - repeated exposure : Category 2 (Kidney, Liver, Central nervous system)

Hazardous to the aquatic environment - chronic hazard	:	Category 2

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements :
H226 Flammable liquid and vapor.
H373 May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements :

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe mist or vapors.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P314 Get medical advice/ attention if you feel unwell.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : acrylic resin
fillers
organic solvent
pigment

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
Titanium dioxide	titanium dioxide	13463-67-7		>= 10 -< 20
Kaolin	kaolin	1332-58-7		>= 10 -< 20
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 1 -< 10
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 2.5 -< 10

talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 1 -< 10
1-methoxy-2-propylacetate	2-methoxy-1-methylethyl acetate	108-65-6	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 1 -< 10
xylene	xylenes	1330-20-7	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Specific target organ toxicity - repeated exposure (Kidney, Liver, Central nervous system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	>= 2.5 -< 10

2-butoxyethyl acetate	2-butoxyethyl acetate	112-07-2	Flammable liquids, Category 4 Acute toxicity (Oral), Category 4 Acute toxicity (Dermal), Category 4	>= 1 -< 10

Section 4: First-aid measures

General advice : Never give anything by mouth to an unconscious person.
Move out of dangerous area.
In all cases of doubt, or when symptoms persist, seek medical attention.
Immediately remove contaminated clothing.
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
First aid personnel should pay attention to their own safety.

If inhaled : If breathed in, move person into fresh air.

If breathing is irregular or stopped, administer artificial respiration.

If symptoms persist, call a physician.

In case of skin contact : If symptoms persist, call a physician.

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Do NOT use solvents or thinners.

In case of eye contact : If symptoms persist, call a physician.

In case of eye contact, remove contact lens and rinse

		immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If swallowed	:	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	May cause damage to organs through prolonged or repeated exposure. Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Notes to physician	:	No known specific antidote. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Water spray Dry powder Foam Carbon dioxide (CO2)
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).

Hazardous combustion products	:	Oxides of phosphorus

Advice for firefighters

Specific extinguishing methods	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Cool containers/tanks with water spray.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3Y

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders:

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.

Avoid subsoil penetration.

Do not allow uncontrolled discharge of product into the environment.

Methods and materials for containment and cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Ensure adequate ventilation.

Section 7: Handling and storage

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.

Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions	:	Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Keep in a dry, cool and well-ventilated place.
Materials to avoid	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Packaging material	:	Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate), Polypropylene, Polyethylenetherephtalate (PET), Low density polyethylene (LDPE), High density polyethylene (HDPE)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Titanium dioxide	13463-67-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Respirable particulate	2.5 mg/m3 (Titanium dioxide)	ACGIH

		matter)		
Kaolin	1332-58-7	WES-TWA	10 mg/m3	NZ OEL
		WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm 713 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
xylene	1330-20-7	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			

		TWA	20 ppm	ACGIH
2-butoxyethyl acetate	112-07-2	TWA	20 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
xylene	1330-20-7	Methylhippuric acid	Urine	End of shift	1.5 g/l	NZ BEI
		Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks	:	Processes should be designed in such a way, that only disposable gloves against splashes are required, e.g. nitrile or neoprene gloves. In case of regular or extensive contact, a protection glove certified according to EN ISO 374-1 and made of butyl rubber (material thickness 0.5 mm) or nitrile rubber (material thickness 0,35 mm) or fluorinated rubber (material thickness 0,5 mm) is recommended. Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)
Eye protection	:	Required when there is a risk of eye contact. Safety glasses with side-shields conforming to EN166
Skin and body protection	:	Anti-static protective clothing Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.
Protective measures	:	Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	white
Odor	:	aromatic
pH	:	substance/mixture is non-soluble (in water)
Melting point/ range	:	not determined
Boiling point/boiling range	:	124.00 - 195.00 °C
Flash point	:	31 °C Method: ISO 3679
Evaporation rate	:	not determined
Flammability	:	Flammable liquid and vapour.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35.0 g/m3

Vapor pressure	:	11.6000 hPa (20 °C) not determined (50 °C)
Density	:	1.705 g/cm3 (20 °C)
Solubility(ies) Water solubility	: :	 not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity Viscosity, dynamic	: :	 No data available
Viscosity, kinematic	:	not determined (40 °C) 411.6 mm2/s (23 °C)
Flow time	:	> 60 s (23 °C) Cross section: 6 mm Method: ISO 2431

Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Avoid direct sunlight. Heat, flames and sparks.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method

Components:

2-butoxyethyl acetate:

Acute oral toxicity	:	LD50 (Rat): 1,880 mg/kg
Acute dermal toxicity	:	LD50 (Rabbit): 1,500 mg/kg

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

n-Butyl acetate:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Skin sensitization

Based on available data, the classification criteria are not met.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Product:

No aspiration toxicity classification

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability

No data available

Bioaccumulative potential

Components:

Titanium dioxide:

Partition coefficient: n-octanol/water	:	Remarks: Not applicable

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

talc:

Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no

1-methoxy-2-propylacetate:

Partition coefficient: n-octanol/water	:	log Pow: 1.2 (20 °C) pH: 6.8 Method: OECD Test Guideline 117

GLP: yes

xylene:

Partition coefficient: n-octanol/water : log Pow: 3.12 - 3.20 (25 °C)

GLP: no

Remarks: Information taken from reference works and the literature.

2-butoxyethyl acetate:

Partition coefficient: n-octanol/water : log Pow: 1.51 (25 °C)

pH: 7

Method: OECD Test Guideline 107

GLP: no

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues : Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Environmentally hazardous	:	yes

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	Flammable Liquids
Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

IMDG-Code

UN number	:	UN 1263

Proper shipping name	:	PAINT (ZINC PHOSPHATE)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Hazchem Code	:	3Y
Marine pollutant	:	yes

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number
HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)
Not applicable

Environmental Exposure Limits (EEL)
Not applicable

HSW Controls
Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date	:	14.11.2025

Further information

Other information	:	For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.
Date format	:	dd.mm.yyyy

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)

NZ BEI	:	New Zealand. Biological Exposure Indices
NZ OEL	:	New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
NZ OEL / WES-TWA	:	Workplace Exposure Standard - Time Weighted average
NZ OEL / WES-STEL	:	Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating

Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

285-700 4L Primer Filler grey G2

Version	Revision Date:	SDS Number:	Date of last issue: 22.08.2025
5.0	14.11.2025	000000000050411385	Date of first issue: 01.10.2024

Section 1: Identification

Product name : 285-700 4L Primer Filler grey G2

Product code : 000000000050411385

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 3

Skin sensitization : Category 1

Specific target organ toxicity - : Category 2 (Kidney, Liver, Central nervous system)

repeated exposure

Hazardous to the aquatic environment - chronic hazard : Category 2

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe mist or vapors.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing. Rinse skin with water.
P314 Get medical advice/ attention if you feel unwell.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.
Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : acrylic resin
nitrocellulose
organic solvent
fillers
pigment

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 10 -< 20

Titanium dioxide	titanium dioxide	13463-67-7		>= 10 -< 20
Barium sulfate	barium sulfate	7727-43-7		>= 10 -< 20
talc	Talc (Mg3H2(SiO3)4)	14807-96-6		>= 1 -< 10
zinc phosphate	trizinc bis(orthophosphate)	7779-90-0	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 1	>= 2.5 -< 10
calcium carbonate	calcium carbonate	471-34-1		>= 1 -< 10
xylene	xylenes	1330-20-7	Flammable liquids, Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Specific target organ toxicity - repeated exposure (Kidney, Liver, Central nervous system), Category 2 Aspiration hazard, Category 1 Hazardous to the	>= 2.5 -< 10

			aquatic environment - chronic hazard, Category 3	
maleic anhydride	maleic anhydride	108-31-6	Acute toxicity (Oral), Category 4 Skin corrosion/irritation, Category 1B Serious eye damage/eye irritation, Category 1 Respiratory sensitization, Category 1 Skin sensitization, Sub-category 1A Specific target organ toxicity - repeated exposure (Inhalation) (Respiratory system), Category 1	>= 0.001< 0.1 -

Section 4: First-aid measures

General advice : Never give anything by mouth to an unconscious person.
Move out of dangerous area.
In all cases of doubt, or when symptoms persist, seek medical attention.
Immediately remove contaminated clothing.
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).

		First aid personnel should pay attention to their own safety.
If inhaled	:	If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
In case of skin contact	:	If symptoms persist, call a physician. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Do NOT use solvents or thinners.
In case of eye contact	:	If symptoms persist, call a physician. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If swallowed	:	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Notes to physician	:	No known specific antidote. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Dry powder Carbon dioxide (CO2) Water spray Foam
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).
Hazardous combustion products	:	Oxides of phosphorus

Advice for firefighters

Specific extinguishing methods	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Cool containers/tanks with water spray.

Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3Y

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet.
Environmental precautions	:	If the product contaminates rivers and lakes or drains inform respective authorities. Avoid subsoil penetration. Do not allow uncontrolled discharge of product into the environment.

Methods and materials for containment and cleaning up	:	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Ensure adequate ventilation.

Section 7: Handling and storage

Advice on protection against fire and explosion	:	Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.
Advice on safe handling	:	Do not breathe vapors or spray mist. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Handle in accordance with good industrial hygiene and safety

practice.

Avoid contact with the skin, eyes and clothing.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

Do not return residues to the storage containers.

Provide good ventilation of working area (local exhaust ventilation if necessary).

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions : Avoid direct sunlight.

Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel.

Always keep in containers of same material as the original one.

Observe label precautions.

Keep in a dry, cool and well-ventilated place.

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Packaging material : Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm 713 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH
		STEL	150 ppm	ACGIH
Titanium dioxide	13463-67-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2.5 mg/m3 (Titanium dioxide)	ACGIH
Barium sulfate	7727-43-7	WES-TWA	10 mg/m3	NZ OEL
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH

talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
calcium carbonate	471-34-1	WES-TWA	10 mg/m3 (Calcium carbonate)	NZ OEL
xylene	1330-20-7	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			
		TWA	20 ppm	ACGIH
maleic anhydride	108-31-6	WES-TWA (Inhalable Fraction and Vapour)	0.0025 ppm 0.01 mg/m3	NZ OEL
	Further information: Sensitiser			
		TWA (Inhalable fraction and vapor)	0.01 mg/m3	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis

xylene	1330-20-7	Methylhippuric acid	Urine	End of shift	1.5 g/l	NZ BEI
		Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks	:	Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation

		time according to EN ISO 374-1)
Eye protection	:	Required when there is a risk of eye contact. Safety glasses with side-shields conforming to EN166
Skin and body protection	:	Anti-static protective clothing Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.
Protective measures	:	Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	gray
Odor	:	of acetate
pH	:	substance/mixture is non-soluble (in water)

Melting point/ range	:	not determined
Boiling point/boiling range	:	124.00 - 135.00 °C
Flash point	:	27 °C Method: ISO 3679
Flammability	:	Flammable liquid and vapour.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35.0 g/m3
Vapor pressure	:	13.0000 hPa (20 °C) not determined (50 °C)
Relative vapor density	:	Heavier than air.
Density	:	1.668 g/cm3 (20 °C)
Solubility(ies)		

Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	411.6 mm2/s (23 °C) not determined (40 °C)
Flow time	:	> 60 s (23 °C) Cross section: 6 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics		
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Avoid direct sunlight. Heat, flames and sparks.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Components:

maleic anhydride:

Acute oral toxicity	:	LD50 (Rat): 1,090 mg/kg
Acute inhalation toxicity	:	Assessment: Corrosive to the respiratory tract.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

n-Butyl acetate:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Product:

No aspiration toxicity classification

Section 12: Ecological information

Ecotoxicity

Components:

zinc phosphate:

M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1

Persistence and degradability

No data available

Bioaccumulative potential

Components:

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

Titanium dioxide:

Partition coefficient: n-octanol/water	:	Remarks: Not applicable

Barium sulfate:

Partition coefficient: n-	:	Pow: 4.26

octanol/water		log Pow: 0.63
talc:		
Partition coefficient: n-octanol/water	:	log Pow: -9.4 (25 °C) pH: 7 GLP: no
xylene:		
Partition coefficient: n-octanol/water	:	log Pow: 3.12 - 3.20 (25 °C) GLP: no Remarks: Information taken from reference works and the literature.
maleic anhydride:		
Partition coefficient: n-octanol/water	:	log Pow: -2.61 (19.8 °C) GLP: yes

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Observe national and local legal requirements. Do not discharge into drains/surface waters/groundwater.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Environmentally hazardous	:	yes

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	Flammable Liquids

Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

IMDG-Code

UN number	:	UN 1263
Proper shipping name	:	PAINT (ZINC PHOSPHATE)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3

Hazchem Code	:	3Y
Marine pollutant	:	yes

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL)

Not applicable

HSW Controls

Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date	:	14.11.2025

Further information

Other information	:	For multi-pack systems observe material safety data sheets of

all components.
Restricted to professional users.

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)

NZ BEI : New Zealand. Biological Exposure Indices

NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA : 8-hour, time-weighted average

ACGIH / STEL : Short-term exposure limit

NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average

NZ OEL / WES-STEL : Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 -

Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN

SAFETY DATA SHEET

934-0 1L 1K PLASTICS PRIMER G2

Version	Revision Date:	SDS Number:	Date of last issue: 15.08.2025
5.0	14.11.2025	000000000050411536	Date of first issue: 25.03.2024

Section 1: Identification

Product name : 934-0 1L 1K PLASTICS PRIMER G2

Product code : 000000000050411536

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A Rosebank Road, Avondale
Auckland 1026
New Zealand
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

Recommended use of the chemical and restrictions on use

Recommended use : Spraying
Coatings and related products

Section 2: Hazard identification

GHS Classification

Flammable liquids : Category 3

Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

Specific target organ toxicity - repeated exposure	:	Category 2 (Kidney, Liver, Central nervous system)
Hazardous to the aquatic environment - chronic hazard	:	Category 3

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements :
H226 Flammable liquid and vapor.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements :

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe mist or vapors.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P314 Get medical advice/ attention if you feel unwell.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Section 3: Composition/information on ingredients

Chemical nature : organic solvent
polyolefin

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
n-Butyl acetate	n-butyl acetate	123-86-4	Flammable liquids, Category 3 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 70 -< 90
xylene	xylenes	1330-20-7	Flammable liquids,	>= 2.5 -< 10

			Category 3 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Respiratory system), Category 3 Specific target organ toxicity - repeated exposure (Kidney, Liver, Central nervous system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	
chlorobenzene	chlorobenzene	108-90-7	Flammable liquids, Category 3 Acute toxicity (Inhalation), Category 4 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Hazardous to the aquatic environment	>= 0.25 -< 1

			- chronic hazard, Category 1	

Section 4: First-aid measures

General advice	:	Never give anything by mouth to an unconscious person. Move out of dangerous area. In all cases of doubt, or when symptoms persist, seek medical attention. Immediately remove contaminated clothing. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). First aid personnel should pay attention to their own safety.
If inhaled	:	If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
In case of skin contact	:	Do NOT use solvents or thinners. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
In case of eye contact	:	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
If swallowed	:	Rinse mouth.

		Do NOT induce vomiting. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
Notes to physician	:	No known specific antidote. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media	:	Water spray Dry powder Foam Carbon dioxide (CO2)
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).

Advice for firefighters

Specific extinguishing methods	:	Cool containers/tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Hazchem Code	:	3Y

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet.
Environmental precautions	:	If the product contaminates rivers and lakes or drains inform

respective authorities.

Avoid subsoil penetration.

Do not allow uncontrolled discharge of product into the environment.

Methods and materials for containment and cleaning up : Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7: Handling and storage

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.

Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear.

Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Advice on safe handling : Provide good ventilation of working area (local exhaust

ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions : Keep away from heat.

Avoid direct sunlight.

Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel.

Always keep in containers of same material as the original one.

Observe label precautions.

Store protected against freezing.

Keep in a dry, cool and well-ventilated place.

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Recommended storage temperature : 5.00 - 35.00 °C

Packaging material : Suitable material: tinned carbon steel (Tinplate), Carbon steel (Iron)

Section 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
n-Butyl acetate	123-86-4	WES-STEL	200 ppm 950 mg/m3	NZ OEL
		WES-TWA	150 ppm 713 mg/m3	NZ OEL
		TWA	50 ppm	ACGIH

		STEL	150 ppm	ACGIH
xylene	1330-20-7	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			
		TWA	20 ppm	ACGIH
chlorobenzene	108-90-7	WES-TWA	10 ppm 46 mg/m3	NZ OEL
		TWA	10 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
xylene	1330-20-7	Methylhippuric acid	Urine	End of shift	1.5 g/l	NZ BEI
		Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI
chlorobenzene	108-90-7	4-Chlorocatechol	Urine	End of shift at end of workweek	100 mg/g creatinine	ACGIH BEI

		p-Chlorophenol	Urine	End of shift at end of workweek	20 mg/g creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks	:	Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)
Eye protection	:	Required when there is a risk of eye contact. Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Skin and body protection	:	Anti-static protective clothing Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.
Protective measures	:	Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance	:	liquid
Color	:	colorless
Odor	:	of acetate
pH	:	substance/mixture is non-polar/aprotic
Melting point/ range	:	not determined
Boiling point/boiling range	:	121 - 131 °C Method: calculated

Flash point	:	25 °C Method: ISO 3679
Evaporation rate	:	not determined
Flammability	:	Flammable liquid and vapour.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Vapor pressure	:	12 hPa (20 °C) Method: calculated 59 hPa (50 °C) Method: calculated
Density	:	0.894 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	not determined

Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	not determined (40 °C) 36.0 mm2/s (23 °C)
Flow time	:	> 30 s (23 °C) Cross section: 4 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle characteristics		
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Vapours may form ignitable mixture with air.
Conditions to avoid	:	Heat, flames and sparks. Protect from frost. Avoid direct sunlight. Heat.
Incompatible materials	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

n-Butyl acetate:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Skin sensitization

Based on available data, the classification criteria are not met.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Chronic toxicity

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

May cause damage to organs (Kidney, Liver, Central nervous system) through prolonged or repeated exposure.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Product:

No aspiration toxicity classification

Section 12: Ecological information

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

Components:

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2.3 (25 °C) pH: 7 Method: OECD Test Guideline 117 GLP: yes

xylene:

Partition coefficient: n-octanol/water	:	log Pow: 3.12 - 3.20 (25 °C) GLP: no Remarks: Information taken from reference works and the literature.

chlorobenzene:

Partition coefficient: n-octanol/water	:	log Pow: 2.84 (25 °C) Remarks: Information taken from reference works and the literature.

Mobility in soil

No data available

Other adverse effects

No data available

Section 13: Disposal considerations

Disposal methods

Waste from residues	:	Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product.

Section 14: Transport information

International Regulations

UNRTDG

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Environmentally hazardous	:	no

IATA-DGR

UN/ID No.	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	Flammable Liquids

Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

IMDG-Code

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

NZS 5433

UN number	:	UN 1263
Proper shipping name	:	PAINT
Class	:	3
Packing group	:	III
Labels	:	3
Hazchem Code	:	3Y

Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR002662 Surface Coatings and Colourants Flammable Group Standard

Tolerable Exposure Limits (TEL)

Not applicable

Environmental Exposure Limits (EEL)

Not applicable

HSW Controls

Certified handler certificate not required.
Tracking hazardous substance not required.
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Revision Date : 14.11.2025

Further information

Other information : For multi-pack systems observe material safety data sheets of all components.

Restricted to professional users.

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)

NZ BEI : New Zealand. Biological Exposure Indices

NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA : 8-hour, time-weighted average

ACGIH / STEL : Short-term exposure limit

NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average

NZ OEL / WES-STEL : Workplace Exposure Standard - Short-Term Exposure Limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention

for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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