SAFETY DATA SHEET

183-30 0,4L ANTI-CORROSIVE PRIMER

Version	Revision Date:	SDS Number:	Date of last issue: 17.04.2025
2.1	02.06.2025	000000000053079011	Date of first issue: 02.06.2025

Section 1: Identification

Product name : 183-30 0,4L ANTI-CORROSIVE PRIMER

Product code : 000000000053079011

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

Aerosols : Category 1

Serious eye damage/eye : Category 2

irritation

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

GHS label elements

Hazard pictograms :



Signal Word	:	Danger
Hazard Statements	:	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. 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. 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. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear eye protection/ face protection. **Response:** 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.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
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 : organic solvent
pigment

Components

Chemical name	Common Name/Synonyms	CAS-No.	Classification	Concentration (% w/w)
propan-2-ol	propan-2-ol	67-63-0	Flammable liquids, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 30 -< 50

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	>= 20 -< 30
butane	butane	106-97-8	Flammable gases, Category 1A Gases under pressure, Liquefied gas	>= 1 -< 10
isobutane	isobutane	75-28-5	Flammable gases, Category 1A Gases under pressure, Liquefied gas	>= 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
zinc oxide	zinc oxide	1314-13-2	Hazardous to the aquatic environment - acute hazard, Category 1 Hazardous to the	>= 1 -< 2.5

			aquatic environment - 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	:	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	:	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	:	Treat symptomatically. No known specific antidote.

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	:	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 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.

The relevant fire protection measures should be noted.

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 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), Stove-lacquer R 78433, Stove-lacquer EHD0022, 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
propan-2-ol	67-63-0	WES-TWA	400 ppm 983 mg/m3	NZ OEL
		WES-STEL	500 ppm 1,230 mg/m3	NZ OEL
		TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
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
butane	106-97-8	WES-TWA	800 ppm 1,900 mg/m3	NZ OEL
		STEL	1,000 ppm	ACGIH
isobutane	75-28-5	STEL	1,000 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

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	ACGIH BEI
acetone	67-64-1	Acetone	Urine	End of shift	50 mg/l	NZ BEI
		Acetone	Urine	End of shift (As soon as possible after exposure ceases)	25 mg/l	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	:	Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.
		chemical-resistant disposable coveralls
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.
		If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Section 9: Physical and chemical properties

Appearance	:	aerosol
Color	:	red
Odor	:	specific
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	:	> 35 g/m3
Vapor pressure	:	not determined (20 °C)

		not determined (50 °C)
Density	:	0.932 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	:	9.8 mm2/s (23 °C)
		not determined (40 °C)
Flow time	:	35 s (23 °C) Cross section: 3 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.
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:

acetone:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation
Causes serious eye irritation.

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
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:

propan-2-ol:

Partition coefficient: n-octanol/water	:	log Pow: 0.05 (25 °C) Remarks: Information taken from reference works and the literature.

acetone:

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

butane:

Partition coefficient: n-octanol/water	:	log Pow: 2.31 (20 °C) pH: 7

isobutane:

Partition coefficient: n-octanol/water	:	log Pow: 2.8 (20 °C) pH: 7 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

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	:	Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC 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	:	no

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
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1
EmS Code	:	F-D, S-U
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 1950
Proper shipping name	:	AEROSOLS

Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1
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.

ERG Code	:	126

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	:	02.06.2025

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 Standardisation; 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 Organisation 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; 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, Authorisation 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

183-70 0,4L 1K EXPRESS FILLER

Version	Revision Date:	SDS Number:	Date of last issue: 22.08.2025
5.0	14.11.2025	000000000053079117	Date of first issue: 03.06.2024

Section 1: Identification

Product name : 183-70 0,4L 1K EXPRESS FILLER

Product code : 000000000053079117

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

Aerosols : Category 1

Skin corrosion/irritation : Category 2

Serious eye damage/eye : Category 1

irritation

Skin sensitization	:	Category 1
Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)
Specific target organ toxicity - repeated exposure	:	Category 2 (Auditory system, Kidney, Liver, Central nervous system)
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.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs (Auditory system, 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.
P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.
P260 Do not breathe dusts or mists.
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/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of 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.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
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 : epoxy resin
organic solvent
pigment
fillers
inorganic acids

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
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	>= 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

n-butanol	butan-1-ol	71-36-3	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
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
propan-2-ol	propan-2-ol	67-63-0	Flammable liquids, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 1 -< 10
ethylbenzene	ethylbenzene	100-41-4	Flammable liquids, Category 2	>= 1 -< 2.5

			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	
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	>= 1 -< 2.5
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	>= 1 -< 2.5

			toxicity - repeated exposure (Kidney, Liver, Central nervous system), Category 2 Aspiration hazard, Category 1 Hazardous to the aquatic environment - chronic hazard, Category 3	
phosphoric acid	orthophosphoric acid (Solution)	7664-38-2	Corrosive to Metals, Category 1 Acute toxicity (Oral), Category 4 Skin corrosion/irritation, Category 1B Serious eye damage/eye irritation, Category 1	>= 1 -< 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	>= 1 -< 2.5
Titanium dioxide	titanium dioxide	13463-67-7		>= 1 -< 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	>= 1 -< 10

			Specific target organ toxicity - single exposure (Central nervous system), Category 3	

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 : 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 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	:	Causes skin irritation. May cause an allergic skin reaction. 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	:	Dry powder Carbon dioxide (CO2)

		Water spray Foam
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	:	Carbon oxides 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.

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. The relevant fire protection measures should be noted.
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 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
dimethyl ether	115-10-6	WES-TWA	400 ppm 766 mg/m3	NZ OEL
		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
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
n-butanol	71-36-3	WES-Ceiling	50 ppm 150 mg/m3	NZ OEL
	Further information: Skin absorption			
		TWA	20 ppm	ACGIH
propan-2-ol	67-63-0	WES-TWA	400 ppm 983 mg/m3	NZ OEL
		WES-STEL	500 ppm 1,230 mg/m3	NZ OEL
		TWA	200 ppm	ACGIH
		STEL	400 ppm	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
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
xylene	1330-20-7	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			
		TWA	20 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
talc	14807-96-6	WES-TWA (Respirable dust)	2 mg/m3	NZ OEL
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
phosphoric acid	7664-38-2	WES-TWA	1 mg/m3	NZ OEL
		TWA	1 mg/m3	ACGIH
		STEL	3 mg/m3	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 exposure ceases)	25 mg/l	ACGIH BEI

propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	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
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 : Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

disposable coveralls

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	:	1.2 %(V)
Vapor pressure	:	> 999.0000 hPawithout propellant (20 °C) Method: calculated not determined (50 °C)
Density	:	0.875 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	:	9.8 mm2/s (23 °C) not determined (40 °C)
Flow time	:	35 s (23 °C) Cross section: 3 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	:	Vapors may form explosive mixture with air. Risk of bursting.
Conditions to avoid	:	Avoid direct sunlight.
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: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method

Components:

phosphoric acid:

Acute oral toxicity	:	LD50 (Rat, female): 2,000 mg/kg

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.

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

May cause drowsiness or dizziness.

STOT-repeated exposure

May cause damage to organs (Auditory system, 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:

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)

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

n-butanol:

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

		GLP: yes
propan-2-ol:		
Partition coefficient: n-octanol/water	:	log Pow: 0.05 (25 °C) Remarks: Information taken from reference works and the literature.
ethylbenzene:		
Partition coefficient: n-octanol/water	:	Pow: 4,170 (20 °C) log Pow: 3.6 (20 °C) pH: 7.8 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.
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

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 OXIDE, ZINC PHOSPHATE)
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

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

183-90 0,4L 1K-Express-Grundfüller grau

Version	Revision Date:	SDS Number:	Date of last issue: 02.06.2025
4.0	14.11.2025	000000000050362135	Date of first issue: 28.11.2024

Section 1: Identification

Product name : 183-90 0,4L 1K-Express-Grundfüller grau

Product code : 000000000050362135

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

Aerosols : Category 1

Skin corrosion/irritation : Category 2

Serious eye damage/eye : Category 1

irritation

Skin sensitization	:	Category 1
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 :
H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
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.
P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.
P260 Do not breathe dusts or mists.
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/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of 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.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
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 : epoxy resin
organic solvent
pigment
inorganic acids

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
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	>= 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
n-butanol	butan-1-ol	71-36-3	Flammable liquids,	>= 3 -< 10

			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	
phosphoric acid	orthophosphoric acid (Solution)	7664-38-2	Corrosive to Metals, Category 1 Acute toxicity (Oral), Category 4 Skin corrosion/irritation, Category 1B Serious eye damage/eye irritation, Category 1	>= 3 -< 5
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	>= 2.5 -< 10

			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	
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	>= 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
bisphenol A-epichlorohydrin resin	4,4'-(1-Methylethylidene)bisphenol polymer with (chloromethyl)oxira	25068-38-6	Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2	>= 1 -< 10

	ne		Skin sensitization, Category 1	
propan-2-ol	propan-2-ol	67-63-0	Flammable liquids, Category 2 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity - single exposure (Central nervous system), Category 3	>= 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
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

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	:	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 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 : Causes skin irritation.

May cause an allergic skin reaction.

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 : Dry powder

Carbon dioxide (CO2)

Water spray

Foam

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	:	Carbon oxides 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.

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	:	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. The relevant fire protection measures should be noted.

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 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
dimethyl ether	115-10-6	WES-TWA	400 ppm 766 mg/m3	NZ OEL
		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
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
n-butanol	71-36-3	WES-Ceiling	50 ppm 150 mg/m3	NZ OEL
	Further information: Skin absorption			
		TWA	20 ppm	ACGIH
phosphoric acid	7664-38-2	WES-TWA	1 mg/m3	NZ OEL
		TWA	1 mg/m3	ACGIH
		STEL	3 mg/m3	ACGIH
xylene	1330-20-7	WES-TWA	50 ppm 217 mg/m3	NZ OEL
	Further information: Ototoxin			
		TWA	20 ppm	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
propan-2-ol	67-63-0	WES-TWA	400 ppm 983 mg/m3	NZ OEL
		WES-STEL	500 ppm 1,230 mg/m3	NZ OEL
		TWA	200 ppm	ACGIH
		STEL	400 ppm	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

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 exposure ceases)	25 mg/l	ACGIH BEI
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
propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	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. 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	:	Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres. disposable coveralls
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	:	specific
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	:	Upper explosion limit 18.60 %(V)
Lower explosion limit / Lower flammability limit	:	2.6 %(V)
Vapor pressure	:	> 999.0000 hPawithout propellant (20 °C) Method: calculated not determined (50 °C)
Density	:	0.820 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	:	9.8 mm2/s (23 °C) not determined (40 °C)
Flow time	:	35 s (23 °C) Cross section: 3 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	:	Vapors may form explosive mixture with air. Risk of bursting.
Conditions to avoid	:	Avoid direct sunlight.
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: > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method

Components:

phosphoric acid:

Acute oral toxicity	:	LD50 (Rat, female): 2,000 mg/kg

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.

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

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.

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:

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)
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
n-butanol:		
Partition coefficient: n-octanol/water	:	log Pow: 1 (25 °C) 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.
propan-2-ol:		
Partition coefficient: n-octanol/water	:	log Pow: 0.05 (25 °C) 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

ethylbenzene:

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

log Pow: 3.6 (20 °C)

pH: 7.8

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 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 OXIDE, ZINC PHOSPHATE)
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

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

SAFETY DATA SHEET

352-500 0.4L SPOT BLENDER

Version	Revision Date:	SDS Number:	Date of last issue: 17.04.2025
3.1	02.06.2025	000000000054785558	Date of first issue: 02.06.2025

Section 1: Identification

Product name : 352-500 0.4L SPOT BLENDER

Product code : 000000000054785558

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
Thinner

Section 2: Hazard identification

GHS Classification

Aerosols : Category 1

Carcinogenicity : Category 2

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)

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements :
H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H373 May cause damage to organs (Kidney, Liver, Central nervous system, Auditory system) through prolonged or repeated exposure.

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.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P260 Do not breathe dusts or mists.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Response:

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.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
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 : acrylic resin
organic solvent

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	>= 50 -< 70
1-methoxy-2-propylacetate	2-methoxy-1-methylethyl acetate	108-65-6	Flammable liquids, Category 3 Specific target organ toxicity - single	>= 10 -< 20

			exposure (Central nervous system), Category 3	
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, Category 3	>= 2.5 -< 10

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
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	:	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 drowsiness or dizziness. 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 : Treat symptomatically.
No known specific antidote.

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	:	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 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.

The relevant fire protection measures should be noted.

Use explosion-proof equipment.

Vapors are heavier than air and may spread along floors.

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 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
dimethyl ether	115-10-6	WES-TWA	400 ppm 766 mg/m3	NZ OEL
		WES-STEL	500 ppm 958 mg/m3	NZ OEL
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
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
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
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
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 ceases)	1 mg/l	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 : Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

chemical-resistant disposable coveralls

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.

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

Section 9: Physical and chemical properties

Appearance	:	aerosol
Color	:	colorless
Odor	:	characteristic
pH	:	substance/mixture is a gas
Melting point/ range	:	Study technically not feasible.
Boiling point/boiling range	:	Study technically not feasible.
Flash point	:	-1 °C

Method: ISO 3679

Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	1.2 %(V)
Vapor pressure	:	> 999.0000 hPa (20 °C) not determined (50 °C)
Density	:	0.720 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	:	49.8 mm2/s (23 °C)
		not determined (40 °C)
Flow time	:	40 s Cross section: 4 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	:	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	:	Heat, flames and sparks. Avoid direct sunlight.
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: > 5 mg/l
Exposure time: 4 h

Test atmosphere: dust/mist

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.

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

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

Suspected of causing cancer.

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

No data available

Persistence and degradability

No data available

Bioaccumulative potential

Components:

dimethyl ether:

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

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

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.

ethylbenzene:

Partition coefficient: n-octanol/water	:	Pow: 4,170 (20 °C) log Pow: 3.6 (20 °C)

		pH: 7.8
		GLP: yes
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 1950
Proper shipping name	:	AEROSOLS
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1
Environmentally hazardous	:	no

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
Class	:	2.1
Packing group	:	Not assigned by regulation

Labels	:	2.1
EmS Code	:	F-D, S-U
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 1950
Proper shipping name	:	AEROSOLS
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1
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.

ERG Code	:	126

Section 15: Regulatory information

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

HSNO Approval Number

HSR002517 Aerosols Flammable Carcinogenic Group Standard

Tolerable Exposure Limits (TEL)

Chemical name	Environmental compartment	Reference concentration
xylene	Air	0.87 mg/m3
	Water	0.6 mg/l

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 : 02.06.2025

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 Standardisation; 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 Organisation 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; 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, Authorisation 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

934-10 0.4L PLASTIC ADHESION PRIMER

Version	Revision Date:	SDS Number:	Date of last issue: 02.06.2025
4.0	14.11.2025	000000000053227676	Date of first issue: 28.11.2024

Section 1: Identification

Product name : 934-10 0.4L PLASTIC ADHESION PRIMER

Product code : 000000000053227676

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

Aerosols : Category 1

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 : Danger

Hazard Statements :
H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
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.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P260 Do not breathe dusts or mists.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.

Response:
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.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.
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 : 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	>= 50 -< 70
butane	butane	106-97-8	Flammable gases, Category 1A Gases under pressure, Liquefied gas	>= 10 -< 20
xylene	xylenes	1330-20-7	Flammable liquids, Category 3 Skin corrosion/irritation,	>= 2.5 -< 10

			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 - chronic hazard, Category 1	>= 0.25 -< 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 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	:	Cool containers exposed to fire with water. Decomposition, pressure build-up and bursting of containers may occur.

Hazardous combustion products	:	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 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 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 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	Basis

			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
butane	106-97-8	WES-TWA	800 ppm 1,900 mg/m3	NZ OEL
		STEL	1,000 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	Methylhippu	Urine	End of	1.5 g/l	NZ BEI

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

chemical-resistant disposable coveralls

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 : colorless

Odor	:	of acetate
pH	:	substance/mixture is a gas
Melting point/ range	:	Study technically not feasible.
Boiling point/boiling range	:	Study technically not feasible.
Flash point	:	-1 °C Method: ISO 3679
Flammability (solid, gas)	:	Extremely flammable aerosol.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	1.2 %(V)
Vapor pressure	:	not determined (20 °C) not determined (50 °C)

Density	:	0.720 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	365 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	9.8 mm2/s (23 °C) not determined (40 °C)
Flow time	:	35 s (23 °C) Cross section: 3 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	:	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	:	Heat, flames and sparks. Avoid direct sunlight.
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

butane:

Partition coefficient: n-octanol/water	:	log Pow: 2.31 (20 °C) pH: 7

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 1950
Proper shipping name	:	AEROSOLS
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1
Environmentally hazardous	:	no

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
Class	:	2.1
Packing group	:	Not assigned by regulation
Labels	:	2.1
EmS Code	:	F-D, S-U
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 1950

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

HSR002515 Aerosols Flammable Group Standard

Tolerable Exposure Limits (TEL)

Chemical name	Environmental compartment	Reference concentration
xylene	Air	0.87 mg/m3
	Water	0.6 mg/l

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