

**1. Identification of the substance/preparation and of the company**

## Trade name

CARSYSTEM Etch Primer Spray

## Use of the substance / preparation

Automotive coating and paint repair

## Manufacturer / marketer identification

VOSSCHEMIE GmbH  
Esinger Steinweg 50

D-25436 Uetersen

Tel. +49-4122/717-0 Fax. +49-4122/717158

## Information provided by:

Laboratory / Telephone: +49-4122-717-0  
E-Mail: S.Schaller@vosschemie.de

## Emergency information:

Giftinformationszentrum(GIZ)-Nord, Göttingen  
Telephone Numbers: +49-551-19240, +49-551-383180**Distributor in New Zealand**R A Johnstone & Co Ltd  
739 Great South Road, Otahuhu  
PO Box 97 948 SAMC. Manukau 2240  
Auckland. New Zealand  
Ph :+64 9 261 0333  
Fax:+64 9 261 0330  
www.raj.co.nz**Emergency telephone in New Zealand  
National Poison Center(24 hours):****0800 POISON [764 766]****2. Hazards identification**

Extremely flammable.

In use, may form flammable/explosive vapour-air mixture.

Risk of serious lesions to the eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness

Heating causes risk of bursting.

The HSNO Approval Number for this Group Standard is HSR002515.

**3. Composition/information on ingredients**

## Chemical characterization

## Description

Mixture of active substances with propellant gas

## Dangerous components

CAS No.	EC No	content unit	danger symbol	R phrases
71-23-8 PROPAN-1-OL	200-746-9	20 - 25 %	F,Xi	R11, R41, R67
67-64-1 ACETONE F, R11 Xi, R36 R66, R67	200-662-2	12,5 - 20 %	F,Xi	R11, R36, R66, R67
115-10-6 DIMETHYL ETHER	204-065-8	5 - 10 %	F+	R12



74-98-6 PROPANE	200-827-9	5 - 10 % F+	R12
78-83-1 BUTANOL-3 R10 Xi, R37/38, R41 R67	201-148-0	5 - 10 % Xi	R10, R37/38, R41, R67
106-97-8 BUTANE	203-448-7	5 - 10 % F+	R12
75-28-5 2-METHYLPROPAN	200-857-2	5 - 10 % F+	R12
78-93-3 BUTANONE F, R11 Xi, R36 R66 R67	201-159-0	2,5 - 5 % F,Xi	R11, R36, R66, R67
108-65-6 1-METHOXY-2-PROPYL ACETATE R10 Xi, R36	203-603-9	2,5 - 5 % Xi	R10, R36
71-36-3 BUTANOL R10 Xn, R22 Xi, R37/38, R41 R67	200-751-6	1 - 2,5 % Xn	R10, R22, R37/38, R41, R67
107-98-2 1-METHOXY-2-PROPANOL	203-539-1	1 - 2,5 %	R10



Full text of R-Phrases: see under section 16.

#### 4. First aid measures

##### First aid measures / general indications

Pay attention to self-protection.  
Remove contaminated clothes without delay.  
In case of unwellness, seek medical advice.

##### First Aid measures / inhalation

Remove concerned person out of danger area  
Provide for fresh air.  
Consult a doctor immediately.  
Irregular breathing/no breathing: artificial respiration  
In case of unconsciousness place and transport casualty in stable position (lying sideways).

##### First Aid measures / skin contact

Wash off with soap and water, rinse afterwards.  
Cleaned skin should be rubbed carefully with ointment.  
If there is skin irritation, consult a doctor.

##### First Aid measures / eye contact

Rinse immediately with plenty of water with eyelid open (for at

least 15 minutes), then send for a doctor immediately.

#### First Aid measures / ingestion

Do not induce vomiting. Seek immediately for medical attention.

### 5. Fire-fighting measures

#### Appropriate extinguishing media

Sand, carbon dioxide, dry powder

#### Extinguishing media that must not be used for safety reasons

Water

#### Special hazards arising from the product itself, from combustion products or from resulting gases

See chapter 10

#### Special protective equipment for fire-fighters

Do not inhale combustion gases.

Breathing equipment with independent air supply is necessary.

#### Additional information

Cool threatened containers with water in case of fire.

If possible, remove undamaged containers immediately out of danger area.

Water, contaminated with extinguishing media, may not enter the sewer, collect separately.

Dispose fire remainder and contaminated quenching water in accordance with local administrative provisions.

### 6. Accidental release measures

#### Personal precautions

Observe safety regulations (see section 7 and section 8).

Eliminate sources of ignition, provide good ventilation.

Keep away persons not involved.

#### Environmental precautions

Do not allow to enter the ground, natural waters or the drain.

If rivers, lakes or waste water lines are contaminated, notify the responsible authorities in accordance with the local laws.

#### Methods for cleaning up/taking up

Sort out leaking containers.

Bring the flow out under control and pick up with help of a non-combustible, absorbent material (e.g. sand, kieselguhr, general-purpose binder).

Do not use water or aqueous cleansing agents.

Notice section 8.

Dispose of waste material in accordance with the regulations, as described under section 13.

## 7. Handling and storage

### Handling

#### Advice on safe handling

Avoid contact with eyes, skin and clothing.  
 Avoid inhalation of vapours and spray mist.  
 Ensure that there is adequate ventilation in the working area,  
 local exhaust recommended.

#### Advice on protection against fire and explosion

Formation of explosive vapour-air mixtures possible. Provide good  
 ventilation, if necessary local exhaust. Keep away from ignition  
 sources, no smoking. Take measures against discharges.  
 Explosion protection. Never expose filled pressure tank to  
 temp. > 50°C. Pressure increase and bursting of the container  
 possible when heated.

### Storage

Observe technical guidelines on storage of aerosols (TRG 300).  
 Store containers tightly closed, in a fresh, well-ventilated area  
 Do not store in the open air.  
 Avoid temperatures under 0°C and above 40°C.  
 Keep away from sources of ignition and heat. Do not smoke.  
 Protect from heat and direct sunlight.  
 Keep away from food, drink and animal feeding stuffs

## 8. Exposure controls/personal protection

Components for which limit values for exposure at the place of  
 work exist (Germany):

---

#### Identification according to EEC Directive

CAS No	EC No	limit value
--------	-------	-------------

---

#### ACETONE

67-64-1	200-662-2	AGW	500 ml/m3
		AGW	1200 mg/m3

---

#### DIMETHYL ETHER

115-10-6	204-065-8	AGW	1000 ml/m3
		AGW	1900 mg/m3

---

#### PROPANE

74-98-6	200-827-9	AGW	1000 ml/m3
		AGW	1800 mg/m3

---

#### BUTANOL-3

78-83-1	201-148-0	AGW	100 ml/m3
		AGW	310 mg/m3

Danger of developmental toxic effects must not be feared as long  
 as AGW and BGW are not exceeded.

---

#### BUTANE

106-97-8	203-448-7	AGW	1000 ml/m3
		AGW	2400 mg/m3

---

## 2-METHYLPROPAN

75-28-5	200-857-2	AGW	1000 ml/m3
		AGW	2400 mg/m3

## BUTANONE

78-93-3	201-159-0	AGW	200 ml/m3
		AGW	600 mg/m3

H skin penetrative

Danger of developmental toxic effects must not be feared as long as AGW and BGW are not exceeded.

## 1-METHOXY-2-PROPYL ACETATE

108-65-6	203-603-9	AGW	50 ml/m3
		AGW	270 mg/m3

Danger of developmental toxic effects must not be feared as long as AGW and BGW are not exceeded.

## BUTANOL

71-36-3	200-751-6	AGW	100 ppm
		AGW	310 mg/m3

Danger of developmental toxic effects must not be feared as long as AGW and BGW are not exceeded.

## 1-METHOXY-2-PROPANOL

107-98-2	203-539-1	AGW	100 ml/m3
		AGW	370 mg/m3

Danger of developmental toxic effects must not be feared as long as AGW and BGW are not exceeded.

## Personal protection

## Respiratory protection

Provide good ventilation.

Respiratory protection is required when limit values are exceeded.

Use fresh air mask

## Hand protection

Use skin protective barrier cream

Use protective gloves

The resistance of the protective gloves to chemicals should be ascertained with the respective supplier. Specific conditions at workplace should be taken to consideration.

## Eye protection

Use tightly fitting safety goggles.

## General measures of precaution

Light protective clothing

## Hygiene measures

Apply a suitable skin protective agent before work.

Wash hands before pauses and when ending work.

Do not eat, drink or smoke during work.

Keep away from food, drink and animal feeding stuffs

Remove contaminated clothes immediately.

Store working clothes separately.

## 9. Physical and chemical properties

### Appearance

Form : aerosol  
Colour : light-grey  
Odour : solvent-like

### Security-relevant data

Flash point: < 0 °C  
Method :

Ignition temperature : 235 °C  
Method :

Lower explosion limit: 2,1 % vol  
Method :

Upper explosion limit: 13,5 % vol  
Method :

Vapour pressure: 20°C ca. 4000 hPa  
Method :

Density at: 20°C ca. 0,79 g/cm<sup>3</sup>  
Method :

Solubility in water: insoluble

### Additional data

The physical data refer to the security relevant component(s) as used, approximate values are given.

## 10. Stability and reactivity

### Dangerous reactions

Explosive mixtures of vapours and air are easily formed  
danger of bursting and explosion of the container when pressure  
increases due to temperatures above 50 °C

### Hazardous decomposition products

Not to be considered if duly stored and manipulated.

### Thermal decomposition

Not to be considered if duly stored and manipulated.

## 11. Toxicological information

### Primary irritant effect:

on the skin: No irritant effect  
on the eye: Severe irritant effect, risk of serious lesions to  
the eyes.  
Sensitization: No sensitizing effects known.

## 12. Ecological information

Ecotoxicological data are not available.  
Do not allow to enter the ground, natural waters or the drain.

## 13. Advice on disposal

Disposal / product  
Spray container totally empty (incl. propellant gas). In accordance with local authority regulations, take residue and empty spray bottle to an appropriate incineration installation.

Waste code no. / name of waste

16 05 05 Gase in Druckbehältern mit Ausnahme derjenigen, die unter 16 05 04 fallen

15 01 10 Verpackungen, die Rückstände gefährlicher Stoffe enthalten oder durch gefährliche Stoffe verunreinigt sind  
The waste codes quoted are only recommendations. Other waste codes may also be possible with regard to different regional regulations.

## 14. Transport information

Land transport / lorry / international / comments

UN-No.: 1950  
Druckgaspackungen  
ADR/RID-GGVS/E: 2/

Inland waterway transport / comments

ADN/ADNR non communicated

Sea transport / comments

UN-No.: 1950  
Aerosols  
IMDG/GGVSee: 2/  
EMS: F-D, S-U  
Marine pollutant:



Air transport / comments

UN-No.: 1950  
Aerosols  
ICAO/IATA-DGR: 2/

## 15. Regulatory information

Labelling [The HSNO Approval Number for this Group Standard is HSR002515.](#)

Symbol and indication of danger

F+ Extremely flammable  
Xi Irritant

R phrases

R 12 Extremely flammable  
R 18 In use, may form flammable/explosive vapour-air mixture

R 41 Risk of serious damage to eyes  
R 66 Repeated exposure may cause skin dryness or cracking.  
R 67 Vapours may cause drowsiness and dizziness

**S phrases**

S 02 Keep out of reach of children  
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S 23 Do not breathe vapour/spray  
S 51 Use only in well ventilated areas.  
S 39 wear eye/face protection  
S 46 If swallowed, seek medical advice immediately and show this container or label.  
S 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

**Special labelling for certain preparations**

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

**Declaration according to Directive 2004/42/EC**

2004/42/IIB ( e ) ( 840 ) 709,6  
Consult the Technical Data Sheet

**National regulations (D)**

The legal regulations for limited employment, e.g. the law for the protection of youth work and the decree for the legal protection of motherhood, have to be observed.

**Class of danger to water (WGK):**

1 (self-classification without testing)

**16. Other information****Relevant R phrases**

R 10 Flammable  
R 11 Highly flammable  
R 12 Extremely flammable  
R 22 Harmful if swallowed  
R 36 Irritating to eyes  
R 37/38 Irritating to respiratory system and skin  
R 41 Risk of serious damage to eyes  
R 66 Repeated exposure may cause skin dryness or cracking  
R 67 Vapours may cause drowsiness and dizziness

\* + Data changed compared with the previous version.

Sections where no data are entered indicate that no data are known, or no experience is available. This does not justify the assumption that no danger can arise from the relevant point under consideration.

The information given is based on the current state of our knowledge and experience. The safety data sheet describes products with regard to safety requirements. The data do not represent a guarantee of properties.