

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

Trade name

CARSYSTEM SPRAY

Use of the substance / preparation

Polyester Filler

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

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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

Flammable.

Harmful by inhalation.

Irritating to eyes and skin.

"Contains cobalt compounds. May produce an allergic reaction."

The HSNO Approval Number for this Group Standard is HSR002662

3. Composition/information on ingredients

Chemical characterization

Description

Polyester resin with filling material and styrene

Dangerous components

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CAS No.	EC No	content unit	danger symbol	R phrases
Identification according to EEC Directive Classification				
100-42-5	202-851-5	20-25 % Xn	R10, R20,	R36/38
STYRENE				
R10				
Xn, R20				
Xi, R36/38				
14807-96-6	238-877-9	20-50 %	TALCUM (FREE OF ASBESTOS FIBRES)	
13462-86-7	236-664-5	5-25 %	Barite (barium sulphate)	
13463-67-7	236-675-5	< 3 %	TITANIUM DIOXIDE	



68409-81-4	0,1 - 0,5 % Xn,N	R22, R38, R43,
Fatty acids, C6-19-branched, cobalt(2+) salts		R51/53

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

Remove mechanically and wash off with plenty of soap and water.
Do not use solvents.
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

Foam, carbon dioxide, powder (dry chemical)
Water fog

Extinguishing media that must not be used for safety reasons

Water beam

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

In the event of fire, the following may be liberated among others:
Carbon oxides

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.
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.

14807-96-6 238-877-9 MAK-Grenzwert 2 mg/m3 A
Danger of developmental toxic effects must not be feared as long
as AGW and BGW are not exceeded.

Barite (barium sulphate)
13462-86-7 236-664-5 AGW 3 mg/m3 A *)
AGW 10 mg/m3 E *)

TITANIUM DIOXIDE
13463-67-7 236-675-5 AGW 3 mg/m3 A *)
AGW 10 mg/m3 E *)

*) General threshold limit value for dust, TRGS 900 No. 2.4

Personal protection

Respiratory protection

Provide good ventilation.

Respiratory protection is required when limit values are exceeded
or in case of spray painting.

Use self contained air breathing equipment or filter respirator
(for short time use only)

Recommended: filter type A2-P2

Hand protection

Use skin protective barrier cream

Use protective gloves.

Recommended:

Fluor rubber

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.

Hygiene measures

Apply a suitable skin protective agent before work.

Do not eat, drink or smoke during work.

Wash hands before pauses and when ending work.

Remove contaminated clothes immediately.

Store working clothes separately.

9. Physical and chemical properties

Appearance

Form : liquid

Colour : grey

Odour : like styrene

Security-relevant data

Boiling temperature

Reference value	From	To	°C
ca.	145		

Method: (styrene)

Flash point: ca. 31 °C
Method : DIN 53213

Ignition temperature : ca. 490 °C
Method : (styrene)

Lower explosion limit: 1.1 % vol
Method : (styrene)

Upper explosion limit: 8 % vol
Method : (styrene)

Vapour pressure: 50°C 35 hPa
Method : (styrene)

Density at: 20°C ca. 1.7 g/cm3
Method :

Solubility in water:
at 20°C 0.30 g/l
Method : (styrene)

Viscosity: thixotropic

Additional data

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

10. Stability and reactivity

Dangerous reactions

Not to be considered if duly stored and manipulated.

Hazardous decomposition products

Not to be considered if duly stored and manipulated.

Thermal decomposition

Not to be considered if duly stored and manipulated.

Additional information (10)

Explosive mixtures of vapours and air are easily formed.

Avoid excessive heating.

Pay attention to the exothermic reaction with peroxides

11. Toxicological information

This product contains styrene. Styrene irritates the eyes, the skin and the respiratory system, it is harmful in case of inhalation.

Literature values on styrene:

LD 50, oral, rat: 5000 mg/kg

LC 50, inhalation, 4h, rat: 11,8 mg/kg

12. Ecological information

Do not let enter into water or sewer.

Literature data on styrene

Acute bacterial toxicity: EC 00 = 72 mg/l Test duration: 16 h 1)

Acute fish toxicity: LC 50 = 17 mg/l (Juhnke) 2)

LC 50 = 66 mg/l (Luedemann) 2)

Test species = Golden orfe (Leuciscus idus) Test duration: 48 h

Acute Daphnia toxicity: EC 50 = 182 mg/l Test duration: 24 h 3)

1) Z. f. Wasser- und Abwasserforschung 10, 87- 98 (1977)

2) Z. f. Wasser- und Abwasserforschung 11, 161-164 (1978)

3) Z. f. Wasser- und Abwasserforschung 15, 1- 6 (1982)

13. Advice on disposal

Disposal / product

In accordance with local administrative provisions,
take to an appropriate incineration installation,
or dispose in hardened form at a regular waste collection point.

Waste code no. / name of waste

07 02 08 Other still bottoms and reaction residues

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.: 1866

Harzlösung

ADR/RID-GGVs/E: 3/III

Valid for polyesterputty of 5,0 L or more per each innerpackaging
without hardener

Inland waterway transport / comments

ADN/ADNR non communicated

Sea transport / comments

UN-No.: 1866

Resin solution

IMDG/GGVSee: 3/III

EMS: F-E, S-E

Marine pollutant:

Air transport / comments

UN-No.: 1866

Resin solution

ICAO/IATA-DGR: 3/III

Additional information

Inflammable, flash point +31°C

Avoid thermal influence



Keep away from food and drink.

15. Regulatory information

Labelling The HSNO Approval Number for this Group Standard is HSR002662
Contains:
STYRENE

Symbol and indication of danger

Xn Harmful

R phrases

R 10 Flammable
R 20 Harmful by inhalation
R 36/38 Irritating to eyes and skin

S phrases

S 02 Keep out of reach of children
S 23 Do not breathe vapour/spray
S 51 Use only in well ventilated areas.
S 38 In case of insufficient ventilation, wear suitable,
 respiratory equipment
S 46 If swallowed, seek medical advice immediately and show
 this container or label.

“Contains cobalt compounds. May produce an allergic reaction.”

Declaration according to Directive 2004/42/EC
2004/42/IIB (b) (250) < 250
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.

TA-Luft (Styrene): Class II

Class of danger to water (WGK):
2 (own assessment, not checked)

Consult the technical leaflets by BG-Chemie (Employment Accident Insurance Fund for the Chemical Industry)
M 054 “Styrol und styrolhaltige Zubereitungen”
M 023 “Polyester- und Epoxid-Harze”.

16. Other information

Relevant R phrases

R 10 Flammable
R 20 Harmful by inhalation
R 22 Harmful if swallowed
R 36/38 Irritating to eyes and skin
R 38 Irritating to skin
R 43 May cause sensitization by skin contact
R 51/53 Toxic to aquatic organisms, may cause long-term
 adverse effects in the aquatic environment.

* + 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.