

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

Trade name

CARSYSTEM KS-500 Unterbodenschutz (UBS-Bitumenbasis)

Use of the substance / preparation

Protection against corrosion, automotive supplies. [Distributor in New Zealand](#)

Manufacturer / marketer identification

VOSSCHEMIE GmbH
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Information provided by:

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Emergency information:

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[National Poison Center\(24 hours\):](#)
[0800 POISON \[764 766\]](#)

2. Composition/information on ingredients

Chemical characterization

Description

Coating based on bitumen with anticorrosion additives, dissolved in white spirit.

Dangerous components

CAS No.	EC No	content unit	danger symbol	R phrases
64742-49-0	265-151-9	10 - 25 %	F,Xn	R10, R65, R66, R67
Naphtha (petroleum), hydrotreated light				
64742-95-6	265-199-0	10 - 25 %	Xn,N	R10, R37, R51/53, R65, R66, R67
Solvent Naphtha (petroleum), light arom.				
64742-82-1	265-185-4	2,5 - 10 %	Xn,N	R10, R51, R53, R65, R66, R67
Naphtha (petroleum), hydrodesulfurized heavy				
67-56-1	200-659-6	1 - 2,5 %	F,T	R11, R23/24/25, R39/23/24/25
METHANOL				
F, R11				
T, R23/24/25, R39/23/24/25				

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



3. Hazards identification

Flammable.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness

The HSNO Approval Number for this Group Standard is HSR002548.

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

Take the patient out of the dangerous area, ensure supply of fresh air, keep him warm and calm, then seek immediately for medical attention.

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 immediately with plenty of water and soap, rinse well.

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

Water spray jet, alcohol-resistant foam, dry powder, carbon dioxide.

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
- + harmful/toxic gases

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).
Avoid contact with the skin, eyes and clothing.
Do not breathe vapours.
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

Pick up with a liquid-binding material (e.g. sand, kieselguhr, Universal Binder).
Notice chapter 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 skin and eyes.
Avoid formation of aerosols.
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, highly inflammable vapour-air mixtures are possible.
Keep away from sources of ignition - no smoking.
Take measures against electrostatic charging

Storage

Always keep in original container.
Store containers tightly closed, in a fresh, well-ventilated area
Keep away from sources of ignition and heat. Do not smoke.
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

METHANOL				
67-56-1	200-659-6	AGW	200	ml/m3
		AGW	270	mg/m3

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

Pay attention to limit values of komplex hydrocarbon mixtures (TRGS 901 NR.72)

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

with combination filter A/P2 (for short time use only).

Hand protection

Use protective gloves.

Use skin protective barrier cream

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

Protective clothing.

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 : black

Odour : characteristic

Security-relevant data

Boiling temperature

Reference value	From	To	°C
	135		

Method:

Flash point: 27 °C

Method :

Ignition temperature : 200 °C

Method :

Lower explosion limit: 0.6 % vol

Method :

Upper explosion limit: 7.0 % vol

Method :

Vapour pressure: 20°C 7 hPa

Method :

Density at: 20°C ca. 1 g/cm³

Method :

Solubility in water: low

dynamic viscosity 1700 at 20°C mPa.s

Method :

Solvent content: 41,9 %

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.

11. Toxicological information

Acute toxicity:

Solvent Naphtha (petroleum), light arom.:

LD 50, oral, rat: > 6800 mg/kg

LD 50, dermal, rabbit: > 3400 mg/kg

LC 50, inhal. 4 h, rat: > 10,2 mg/l

Naphtha (petroleum), hydrodesulfurized heavy:

LD 50, oral, rat: >6500 mg/kg

LD 50, dermal, rabbit: >3000 mg/kg

Primary irritant effect:

on the skin: No irritant effect

on the eye: No irritant effect

Sensitization: No sensitizing effects known

12. Ecological information

Do not allow to enter the ground, natural waters or the drain.
Danger to drinking water if even small quantities leak into the ground.

Harmful to fish and aquatic organisms.

13. Advice on disposal

Disposal / product

In accordance with local administrative provisions,
take to an appropriate incineration installation,

Waste code no. / name of waste

08 01 11 Farb- und Lackabfälle, die organische Lösemittel oder
andere gefährliche Stoffe enthalten

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.: 1139

Schutzanstrichlösung

ADR/RID-GGVs/E: 3/III

Is not subject to class 3 according to section 2.2.3.1.5 ADR

Inland waterway transport / comments

ADN/ADNR non communicated

Sea transport / comments

UN-No.: 1139

Coating solution

IMDG/GGVSee: 3/III

EMS: F-E, S-E



Marine pollutant:

Air transport / comments

UN-No.: 1139

Coating solution

ICAO/IATA-DGR: 3/III

15. Regulatory information

Labelling [The HSNO Approval Number for this Group Standard is HSR002548.](#)

R phrases

R 10 Flammable
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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 24/25 Avoid contact with skin and eyes
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.
S 09 keep container in a well ventilated place
S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

- + Declaration according to Directive 2004/42/EC
- + 2004/42/IIB (e) (840) < 440
- + 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 (Technical guidance air): Class II 13,6 %, Class III 1,3%

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

16. Other information

Relevant R phrases

R 10 Flammable
R 11 Highly flammable
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed
R 37 Irritating to respiratory system
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 51 Toxic to aquatic organisms
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 53 May cause long-term adverse effects in the aquatic environment
R 65 Harmful: may cause lung damage if swallowed
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.