

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

CARSYSTEM KS-2100 grau

Use of the substance / preparation**Sealant**

Stone chip protection, automotive supplies.

Manufacturer / marketer identificationVOSSCHEMIE GmbH
Esinger Steinweg 50

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Information provided by: Laboratory / Telephone: +49-4122-717-0

Emergency information:Giftinformationszentrum(GIZ)-Nord, Göttingen
Telephone Numbers: +49-551-19240, +49-551-383180**2. Composition/information on ingredients****Chemical characterization****Description**

Rubber-resin-mixture, containing solvent and filling material

Dangerous components

| CAS No. | EC No | content unit | danger symbol | R phrases |
|---------|-------|--------------|---------------|-----------|
|---------|-------|--------------|---------------|-----------|

Identification according to EEC Directive
Classification

| | | | | |
|----------|-----------|----------------|--|---------------------------------------|
| 108-88-3 | 203-625-9 | 25 - 50 % F,Xn | | R11, R38, R48/20, R63, R65, R67 |
|----------|-----------|----------------|--|---------------------------------------|

TOLUENE

F, R11

Xn, R48/20, R65

Repr.Cat. 3, R63

Xi, R38

R67

| | | | | |
|------------|-----------|--------------|--|---------------------------------------|
| 64742-95-6 | 265-199-0 | 1 - 5 % Xn,N | | R10, R37, R51/53, R65, R66, R67 |
|------------|-----------|--------------|--|---------------------------------------|

Solvent Naphtha (petroleum), light arom.

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

3. Hazards identification

Highly flammable.
Possible risk of harm to the unborn child.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Irritating to skin.
Vapours may cause drowsiness and dizziness

4. First aid measures

First aid measures / general indications

Pay attention to self-protection.
Remove contaminated clothes without delay.
Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours after an accident is necessary.

First Aid measures / inhalation

- + Remove concerned person out of danger area
- + Provide for fresh air.
- + Keep him warm and calm.
- + 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 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

- + Formation of explosive, highly inflammable vapour-air mixtures are possible.
- + 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.
Wear protective clothing and self-contained breathing apparatus.

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.

6. Accidental release measures

Personal precautions

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

Do not breathe vapour. Provide adequate ventilation.

Keep away from sources of ignition.

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 eyes, skin and clothing.

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 |
|--------|-------|-------------|
|--------|-------|-------------|

TOLUENE

| | | |
|----------|-----------|-----|
| 108-88-3 | 203-625-9 | AGW |
|----------|-----------|-----|

50 ml/m3

AGW

190 mg/m3

H skin penetrative
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 or in case of spray painting.

- + Use self contained air breathing equipment or filter respirator (for short time use only)
- + Recommended: filter type A/P2

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

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 : grey

Odour : aromatic

Security-relevant data

Boiling temperature

| Reference value | From | To |
|-----------------|------|--------|
| | | 111 °C |

Method:

Flash point: 4 °C

Method :

Ignition temperature : 450 °C

Method :

Lower explosion limit: 1,3 % vol

Method :

Upper explosion limit: 7,0 % vol
Method :

Vapour pressure: 50 °C 120 hPa
Method :

Density at: 20°C 1,23 g/cm3
Method :

Solubility in water: not miscible

dynamic viscosity
at 20°C 4750 mPa.s

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

- + Primary irritant effect:
on the skin: Irritant to skin and mucous membranes.
on the eye: No irritating effect.
Sensitization: No sensitizing effect 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.

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

Dangerous goods in limited quantities of class 3

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

Contains:
Toluene

Symbol and indication of danger

F Highly flammable
Xn Harmful

R phrases

R 11 Highly flammable
R 63 Possible risk of harm to the unborn child.
R 48/20 Harmful: danger of serious damage to health by
prolonged exposure through inhalation.
R 38 Irritating to skin
R 67 Vapours may cause drowsiness and dizziness

S phrases

S 02 Keep out of reach of children
S 36/37 Wear suitable protective clothing and gloves
S 23 Do not breathe vapour/spray
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 51 Use only in well ventilated areas.
S 16 Keep away from sources of ignition - No smoking
S 09 keep container in a well ventilated place
S 60 This material and its container must be disposed of as
hazardous waste.

+ Declaration according to Directive 2004/42/EC
+ 2004/42/IIB (e) (840) < 560
+ 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):
2 (own assessment, not checked)

- + Consult the technical leaflets by BG-Chemie (Employment Accident Insurance Fund for the Chemical Industry)
- + M 050 ``Umgang mit gesundheitsgefährlichen Stoffen (für den Beschäftigten)``

16. Other information

Relevant R phrases

R 10 Flammable
R 11 Highly flammable
R 37 Irritating to respiratory system
R 38 Irritating to skin
R 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 63 Possible risk of harm to the unborn child
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.