

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 29.09.2010

V - 1

Revision: 08.09.2010

**1 Identification of the substance/mixture and of the company/undertaking**· **Product details**

- **Trade name:** *CARSYSTEM KAROSSERIE-DICHTMASSE pinselbar*
- **Application of the substance / the preparation** *Sealant*

· **Manufacturer/Supplier:**

Vosschemie GmbH  
Esinger Steinweg 50  
D-25436 Uetersen  
Phone: +49 (0)4122 717 0; Fax: +49 (0)4122 717158; [info@vosschemie.de](mailto:info@vosschemie.de)


· **Further information obtainable from:**

Abteilung Labor / +49 (0)4122 717 0  
[s.schaller@vosschemie.de](mailto:s.schaller@vosschemie.de)


· **Information in case of emergency:**

Giftinformationszentrum (GIZ)-Nord, Goettingen, Deutschland  
+49 (0)551 19240, +49 (0)551 383180

**2 Hazards identification**· **Classification of the substance or mixture**· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

 *Xn; Harmful*

R20/21: *Harmful by inhalation and in contact with skin.*

 *Xi; Irritant*

R38: *Irritating to skin.*

R10: *Flammable.*

· **Information concerning particular hazards for human and environment:**

*Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.*

*Heightened risk of fire and danger of explosion at accumulation in lower-lying or closed rooms*

*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*

· **Classification system:**

*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*

· **Label elements**· **Labelling according to EU guidelines:**

*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.*

*The R and S phrases may be omitted if packaging contains no more than 0.125 litre.*

· **Code letter and hazard designation of product:**

 *Xn Harmful*

· **Hazard-determining components of labelling:**

*xylene*

· **Risk phrases:**

*10 Flammable.*

*20/21 Harmful by inhalation and in contact with skin.*

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38 Irritating to skin.

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**Safety phrases:**

- 2 Keep out of the reach of children.
- 9 Keep container in a well-ventilated place.
- 23 Do not breathe fumes/aerosol.
- 25 Avoid contact with eyes.
- 36/37 Wear suitable protective clothing and gloves.
- 43 In case of fire, use water.
- 46 If swallowed, seek medical advice immediately and show this container or label.
- 51 Use only in well-ventilated areas.
- 60 This material and its container must be disposed of as hazardous waste.

### 3 Composition/information on ingredients

**Chemical characterization**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 1330-20-7 EINECS: 215-535-7	xylene ☒ Xn R20/21; ☒ Xi R38 R10 ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	25-50%
CAS: 68036-98-6	Glycoluril, formaldehyde polymer, butylated ☒ Xi R36 R52/53 ⚠ Eye Irrit. 2, H319; Aquatic Chronic 3, H412	2.5-10%
EINECS: 265-185-4	Naphtha (petroleum), hydrodesulfurized heavy ☒ Xn R65; ☒ N R51/53 R10-66-67 ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	0.1-1.0%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

**General information:**

Personal protection for the First Aider.

Take affected persons out of danger area and lay down.

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

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· **After swallowing:** Do not induce vomiting; call for medical help immediately.

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### 5 Firefighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:**  
Water  
Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
Can form explosive gas-air mixtures.  
During heating or in case of fire poisonous gases are produced.
- **Protective equipment:**  
Do not inhale explosion gases or combustion gases.  
Wear self-contained respiratory protective device.
- **Additional information**  
Remove undamaged receptacles from the danger zone.  
Cool endangered receptacles with water spray.  
Collect contaminated fire fighting water separately. It must not enter the sewage system.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

- **Person-related safety precautions:**  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation  
Keep away from ignition sources.  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Avoid contact with the eyes and skin.
- **Measures for environmental protection:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Ensure adequate ventilation.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Do not flush with water or aqueous cleansing agents

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Keep receptacles tightly sealed.  
Prevent formation of aerosols.  
Do not inhale gases / fumes / aerosols.  
Ensure good ventilation/exhaustion at the workplace.  
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).  
Avoid contact with the eyes and skin.
- **Information about fire - and explosion protection:**  
Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.  
Fumes can combine with air to form an explosive mixture.

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Keep ignition sources away - Do not smoke.  
Use explosion-proof apparatus / fittings and spark-proof tools.  
Protect against electrostatic charges.

- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store only in the original receptacle.  
Adhere to the provisions of the Law on Water Protection.
- **Information about storage in one common storage facility:** Keep away from foodstuffs, beverages and feed.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Store receptacle in a well ventilated area.  
Protect from heat and direct sunlight.  
Keep ignition sources away - Do not smoke.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

### 1330-20-7 xylene

WEL (Great Britain)	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm Sk; BMGV
IOELV (EU)	Short-term value: 442 mg/m <sup>3</sup> , 100 ppm Long-term value: 221 mg/m <sup>3</sup> , 50 ppm Skin

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Do not eat, drink, smoke or sniff while working.  
Wash hands before breaks and at the end of work.  
Immediately remove all soiled and contaminated clothing  
Store protective clothing separately.  
Avoid contact with the eyes and skin.  
Use skin protection cream for skin protection.
- **Respiratory protection:**  
Adhere to the workplace limit values and / or other threshold values.  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
Filter A/P2
- **Protection of hands:**  
Preventive skin protection by use of skin-protecting agents is recommended.



Protective gloves

To avoid skin problems reduce the wearing of gloves to the required minimum.  
Check the permeability prior to each renewed use of the glove.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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· **Material of gloves**

Fluorocarbon rubber (Viton)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing

## 9 Physical and chemical properties

· **General Information**· **Appearance:**

Form:	Pasty
Colour:	Black
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 135°C

· **Flash point:** 24°C· **Ignition temperature:** 305°C· **Self-igniting:** Product is not selfigniting.· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.· **Explosion limits:**

Lower: 1.0 Vol %

Upper: 7.0 Vol %

· **Vapour pressure at 50°C:** 20 hPa· **Density at 20°C:** 1.22 g/cm<sup>3</sup>· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **Viscosity:**

Dynamic at 20°C: 240000 mPas

VOC (EC) 2004/42/IIB (c) (540) &lt;400

## 10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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- **Materials to be avoided:**
- **Dangerous reactions** Forms explosive gas mixture with air.
- **Dangerous decomposition products:** Formation of toxic gases is possible during heating or in case of fire.

### 11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

#### 1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

- **Sensitisation** No sensitizing effects known.

### 12 Ecological information

- **Additional ecological information:**

- **General notes:**

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

### 13 Disposal considerations

- **Product:**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

- **European waste catalogue**

08 01 11	waste paint and varnish containing organic solvents or other dangerous substances
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- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**

- **ADR/RID class:** -

- **Remarks:** > 450 l: 3 F1, III

- **Maritime transport IMDG:**

- **IMDG Class:** -

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- **Remarks:** > 30 l: 3, III
- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1263
- **Label:** 3
- **Packaging group:** III
- **Proper shipping name:** PAINT

### 15 Regulatory information

- **Chemical safety assessment** A Chemical Safety Assessment has not been carried out.
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.  
Employment restrictions concerning pregnant and lactating women must be observed.

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.
- **R10** Flammable.
- **R20/21** Harmful by inhalation and in contact with skin.
- **R36** Irritating to eyes.
- **R38** Irritating to skin.
- **R51/53** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **R52/53** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **R65** Harmful: may cause lung damage if swallowed.
- **R66** Repeated exposure may cause skin dryness or cracking.
- **R67** Vapours may cause drowsiness and dizziness.
- **Department issuing MSDS:** Abteilung Labor
- **Contact:** Frau S. Schaller
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)*

*ICAO: International Civil Aviation Organization*

*ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)*

*VOC: Volatile Organic Compounds (USA, EU)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

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