

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.07.2013

V - 5

Revision: 05.07.2013



1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
 - **Trade name:** *CARSYSTEM KAROSSERIE-DICHTMASSE pinselbar*
 - **Relevant identified uses of the substance or mixture and uses advised against** *Not determined*
 - **Application of the substance / the preparation** *Sealant*

 - **Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
*Vosschemie GmbH
Esinger Steinweg 50
D-25436 Uetersen
Phone: +49 (0)4122 717 0; Fax: +49 (0)4122 717158; info@vosschemie.de*

 - **Further information obtainable from:**
*Abteilung Labor / +49 (0)4122 717 0
s.schaller@vosschemie.de*
 - **Emergency telephone number:**
*Giftinformationszentrum (GIZ)-Nord, Goettingen, Deutschland
Phone: +49 (0)551 19240, +49 (0)551 383180*
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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.

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*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, mixture of isomers

· **Risk phrases:**

10 *Flammable.*

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

38 *Irritating to skin.*

· **Safety phrases:**

2 *Keep out of the reach of children.*

9 *Keep container in a well-ventilated place.*

23 *Do not breathe vapour/spray.*

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.*

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

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

· **Dangerous components:**

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CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32 01-2119486136-34 02-2119752448-30 05-2116469897-19 01-2119555267-33	xylene, mixture of isomers ☒ 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	5-10%
CAS: 64742-82-1 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	<1%

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

4 First aid measures

· **Description of 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.

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

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.

· **For safety reasons unsuitable extinguishing agents:**

Water

Water with full jet

· **Special hazards arising from the substance or mixture**

Can form explosive gas-air mixtures.

During heating or in case of fire poisonous gases are produced.

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- **Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Remove undamaged containers 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

- **Personal precautions, protective equipment and emergency procedures**
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.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
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
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions 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.
Keep ignition sources away - Do not smoke.
Use explosion-proof apparatus / fittings and spark-proof tools.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.

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- 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.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

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

1330-20-7 xylene, mixture of isomers

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

1330-20-7 xylene, mixture of isomers

Oral	Long-term exposure - systemic effects	1.6 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	108 mg/kg bw/day (general population)
		180 mg/kg bw/day (worker)
Inhalative	Acute/short-term exposure - local effects	174 mg/m ³ (general population)
		289 mg/m ³ (worker)
	Acute/short-term exposure - systemic effects	174 mg/m ³ (general population)
		289 mg/m ³ (worker)
Long-term exposure - systemic effects	14.8 mg/m ³ (general population)	
	77 mg/m ³ (worker)	

· **PNECs**

1330-20-7 xylene, mixture of isomers

PNEC aqua	0.327 mg/l (freshwater) 0.327 mg/l (marine water) 0.327 mg/l (intermittent releases)
PNEC sediment	12.46 mg/kg (freshwater) 12.46 mg/kg (marine water)

· **Ingredients with biological limit values:**

1330-20-7 xylene, mixture of isomers

BMGV (Great Britain)	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
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- **Additional information:** The lists valid during the making were used as basis.

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· Exposure controls**· 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.

Do not inhale gases / fumes / aerosols.

· 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

· Material of gloves

Fluorocarbon rubber (Viton)

Empfohlene Materialstärke: ≥ 0.4 mm

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

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).

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**

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9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Pasty
Colour:	Grey
Odour:	Characteristic
Odour threshold:	Not determined

· pH-value: Not determined

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	135 °C

· Flash point: 24 °C (DIN 53213)

· Ignition temperature: 305 °C

· Decomposition temperature: Not determined

· 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/cm³ (DIN 51757)

· Relative density: Not determined

· Vapour density: Not determined

· Evaporation rate: Not determined

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined

· Viscosity:

Dynamic at 20 °C:	240000 mPas
Kinematic:	Not determined

· Other information: No further relevant information available.

10 Stability and reactivity

· **Reactivity** No decomposition if used according to specifications.

· **Chemical stability** No decomposition if used and stored according to specifications.

· **Possibility of hazardous reactions** Forms explosive gas mixture with air.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** Formation of toxic gases is possible during heating or in case of fire.

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11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

- LD/LC50 values relevant for classification:

1330-20-7 xylene, mixture of isomers

Oral	LD 50	> 4000 mg/kg (rat)
Dermal	LD 50	> 1700 mg/kg (rabbit)
Inhalative	LC50 /4h	21.7 mg/l (rat) (Vapour)

68036-98-6 Glycoluril, formaldehyde polymer, butylated

Oral	LD 50	> 2000 mg/kg (rat)
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64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

Oral	LD 50	> 5000 mg/kg (rat)
Dermal	LD 50	> 3000 mg/kg (rabbit)
Inhalative	LC 50 / 4h	> 5 mg/l (rat) (OECD Guideline 403, Vapour)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Subacute to chronic toxicity:** No further relevant information available.
- **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.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
No further relevant information available.

12 Ecological information

- Toxicity

- Aquatic toxicity:

1330-20-7 xylene, mixture of isomers

EC50	> 175 mg/l (activated slugde)
EC50/48h	3.82 mg/l (daphnia magna)
EC50/72h	4.7 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	> 780 mg/l (Cyprinus carpio)
	13.1 - 16.5 mg/l (Lepomis macrochirus)
	7.6 mg/l (oncorhynchus mykiss)
	13.4 mg/l (pimephales promelas)
NOEC	> 1.3 mg/l (oncorhynchus mykiss) (56 d)

68036-98-6 Glycoluril, formaldehyde polymer, butylated

EC50/48h	10-100 mg/l (daphnia magna)
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64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

EL50/48h	4.5 mg/l (daphnia magna) (OECD Guideline 202)
EL50/72h	3.1 mg/l (Pseudokirchneriella subcapitata) (OECD Guideline 201)

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LL50/96h	10 mg/l (oncorhynchus mykiss) (OECD Guideline 203)
NOELR	0.5 mg/l (Pseudokirchneriella subcapitata) (OECD Guideline 201)
NOELR (aqua chron.)	2.6 mg/l (daphnia magna) (OECD Guideline 211, 21d)

· **Persistence and degradability****1330-20-7 xylene, mixture of isomers**

Biodegradation 87.8 % (-) (28d)

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

Biodegradation 77 % (-) (OECD Guideline 301 F)

· **Behaviour in environmental systems:**· **Bioaccumulative potential****1330-20-7 xylene, mixture of isomers**

BCF 6 - 23.4 (oncorhynchus mykiss)

log Pow > 3 (-)

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

BCF 10 - 2500 (lit.) (calculated)

log Kow > 3 (-)

· **Mobility in soil****64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy**

Koc 60.7 - 229.2 (lit.) (calculated value)

log Koc 1.783 - 2.36 (lit.) (calculated value)

· **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.

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Other adverse effects** No further relevant information available.* **13 Disposal considerations**· **Waste treatment methods**· **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.

· **Waste disposal key:**

The waste codes given above are to be considered recommendations; because of regional and industrial sector specific features, application of different waste codes is possible.

· **European waste catalogue**

08 01 11 waste paint and varnish containing organic solvents or other dangerous substances

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

· UN-Number	Void
· ADR, ADN, IMDG	Void
· IATA	UN1263
· UN proper shipping name	Void
· ADR	Void
· ADN, IMDG	Void
· IATA	PAINT
· Transport hazard class(es)	
· ADR, ADN, IMDG	Void
· Class	Void
· IATA	
	
· Class	3 Flammable liquids.
· Label	3
· Packing group	Void
· ADR, IMDG	Void
· IATA	III
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Remarks:	ADR 2.2.3.1.5 > 450 l: 3 F1, III
· IMDG	
· Remarks:	IMDG-Code 2.3.2.5 > 30 l: 3, III

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- European regulations
- Directive 2004/42/EC 2004/42/IIB (c) (540) <400
- National regulations:
- Information about limitation of use:
 - Employment restrictions concerning juveniles must be observed.
 - Employment restrictions concerning pregnant and lactating women must be observed.

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· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**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:**

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organization
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

· * Data compared to the previous version altered.