

EU Material Safety Data Sheet

According to 91/155 EEC& 93/112 EWG

Printing date 19.01.2004

Reviewed on 19.01.2004

1 Identification of substance:

- **Product details:**
- **Trade name:** Tire Sealant
- **Application of the substance / the preparation:** Sealing material
- **Manufacturer/Supplier:**
Lieferant:

Eclipse Microsystems GmbH

<http://www.eclipse.ch>

Hersteller:
Cosmina AG
Motorenstrasse 2a
CH-8623 Wetzikon
Herr Dr.R.Schneider
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Email: info@cosmina.ch
<http://www.cosmina.ch>
- **Informing department:** Product safety department
- **Emergency information:** Departement for Product Safety

2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with harmless additions.
- **components:** void
- **Additional information** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard designation:** void
- **Information pertaining to particular dangers for man and environment**
No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.
- **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- **General information** Instantly remove any clothing soiled by the product.
- **After skin contact**
Instantly 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. If symptoms persist, consult doctor.

(Contd. on page 2)

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(Contd. of page 1)

- **After swallowing** A person vomiting while lying on their back should be turned onto their side.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:**
Put on breathing apparatus.
Do not inhale explosion gases or combustion gases.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Avoid contact with the eyes and skin.
- **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
- **Additional information:** See Section 7 for information on safe handling

7 Handling and storage

- **Handling**
- **Information for safe handling:** No special precautions necessary if used correctly.
- **Information about protection against explosions and fires:**
With appropriate handling and storage no special measures necessarily
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers.

8 Exposure controls and personal protection

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

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

57-55-6 propane-1,2-diol

OES (Great Britain)	Long-term value: 474* 10** mg/m ³ , 150* ppm *total (vapour and particulates) **particulates
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- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures should be adhered to general rules for handling chemicals.
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not necessary if room is well-ventilated.

(Contd. on page 3)

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(Contd. of page 2)

- **Protection of hands:**

With appropriate application not necessarily

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

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:**

By appropriate application not required

Avoid contact with the eyes.

Safety glasses recommended during refilling.

9 Physical and chemical properties:

- **General Information**

Form:	Fluid
Colour:	White
Odour:	Characteristic

- **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: 188°C

- **Flash point:** 101°C

- **Ignition temperature:** 420°C

- **Self-inflammability:** Product is not self igniting.

- **Danger of explosion:** Product is not explosive.

- **Critical values for explosion:**

Lower: 2.6 Vol %

Upper: 12.6 Vol %

- **Vapour pressure at 20°C:** 0.3 hPa

- **Density at 20°C** 1.02 g/cm³

- **Solubility in / Miscibility with**

Water: Fully miscible

- **Solvent content:**

Organic solvents: 12.0 %

- **Solids content:** 0.3 %

10 Stability and reactivity

- **Thermal decomposition/ Conditions to be avoided:**

No decomposition if used and stored according to specifications.

(Contd. on page 4)

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(Contd. of page 3)

- **Dangerous reactions** No dangerous reactions with intended storage and use.
- **Dangerous products of decomposition:** none

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** no data available.
- **Primary irritant effect:**
- **on the skin:** no data available.
- **on the eye:** no data available.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information:

- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
Smaller quantities can be disposed with household waste.
Disposal must be made according to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID-GGVS/E Class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulatory information

- **Designation according to EC guidelines:**
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

(Contd. on page 5)

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(Contd. of page 4)

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

Observe the normal safety regulations when handling chemicals

- **Safety phrases:**

56 Dispose of this material and its container to hazardous or special waste collection point.

- **Special designation of certain preparations:**

Safety data sheet available for professional user on request.

- **National regulations**

- **Technical instructions (air):**

Class	Share in %
NK	10-25

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

Information is based on our current knowledge but does not establish a promise of product characteristics and does not substantiate any contractual legal relationship. Drawing of back-up data file for:

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- **Contact:** see page 1