

## Safety Data Sheet

### According to 91/155 EEC

Printing date 17.01.2008

Revision: 17.01.2008

#### 1 Identification of substance:

- **Product details:**
- **Trade name:** **Hardener H3**
- **Application of the substance / the preparation** Hardening agent/ Curing agent
- **Manufacturer/Supplier:**  
Forbo Siegling Pty. Ltd.  
Unit 150/45 Gilby Road,  
Mount Waverley Vic 3149  
Ph.: 1300137933  
Fax: 1300137944
- **Information department:**  
Chemical Laboratory  
Email: Claudius.Hayduk@forbo.com
- **Emergency information:** ++49 (0) 511-6704 0

#### 2 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description:**  
Katalysator SILASTIC E RTV
- **Chemical characterization**

- **Dangerous components:**

2554-06-5	Tetramethyltetravinyldicyclohexylsiloxane	R 53	< 2.5%
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#### 3 Hazards identification

- **Hazard description:** not applicable
- **Information pertaining to particular dangers for man and environment**  
Formation of something hydrogen possible. Hydrogen is inflammatory and can result in explosive mixtures with air.
- **Safety phrases:**  
29 Do not empty into drains.

#### 4 First aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** If symptoms persist consult doctor.
- **Information for doctor** MSDB

#### 5 Fire fighting measures

- **Suitable extinguishing agents**



CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

Alcohol resistant foam  
Water spray

Use fire fighting measures that suit the environment.

- **Protective equipment:** Wear self-contained respiratory protective device.

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### 6 Accidental release measures

- **Person-related safety precautions:**



Wear protective equipment. Keep unprotected persons away.

- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Dispose of the material collected according to regulations.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous substances are released.

### 7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Unsuitable material for receptacle: glass or ceramic.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Protect from humidity and water.  
Caution when reopening receptacles with broken seal.

### 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:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures** Do not eat or drink while working.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
Protective gloves and protective skin cream.  
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**  
Natural rubber, NR  
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.
- **Penetration time of glove material**  
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** Light weight protective clothing

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### 9 Physical and chemical properties:

#### · General Information

<b>Form:</b>	Liquid
<b>Colour:</b>	White
<b>Odour:</b>	Characteristic

#### · Change in condition

**Melting point/Melting range:** undetermined  
**Boiling point/Boiling range:** 151 °C

· **Flash point:** 101 °C

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** 1 g/cm<sup>3</sup>

#### · Solubility in / Miscibility with

<b>Water:</b>	Not miscible or difficult to mix
<b>Organic solvents:</b>	0.0 %

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions**  
 Reacts with various metals  
 Reacts with alcohols, amines, aqueous acids and alkalis
- **Dangerous products of decomposition:**  
 Heat up on more than 150 °C in presence of air can set free:  
 Formaldehyde

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
 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.  
 The substance is not subject to classification according to the latest version of the EU lists.

### 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 course or sewage system.

### 13 Disposal considerations

- **Product:**
- **Recommendation** Smaller quantities can be disposed of with household waste.

#### · European waste catalogue

08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances
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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

#### 14 Transport information

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

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

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

#### 15 Regulations

- **Australian Inventory of Chemical Substances**

2554-06-5	Tetramethyltetravinyldichlorosiloxane
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- **Markings according to EU guidelines:**

The substance is not subject to classification according to EU lists and other sources of literature known to us. Observe the general safety regulations when handling chemicals

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

- **Safety phrases:**

29 Do not empty into drains.

- **National regulations**

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

#### 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 R-phrases**

53 May cause long-term adverse effects in the aquatic environment.

- **Department issuing MSDS:** Chemical Laboratory

- **Contact:**

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- **\* Data compared to the previous version altered.**