

Date of Issue: 18.08.2005
Replaced Data Sheet: ---
Product Name: Silicon E (Resin)

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1 Identification of the Substance/Preparation and the Company

Product Name: **Silicon E (Resin)**
Application: Resin component for the production of 2-component-silicone.
Producer/Supplier: HÖHNE GmbH
Mühlenstraße 76
D-25421 Pinneberg (Germany)
Telephone: +49 - (0)4101 / 5453 - 0 / Fax: - 33
Internet: www.hoehne.de / E-Mail: info@hoehne.de
Emergency Phone No.: In an emergency dial your local Emergency Call.
Keep this Safety Data Sheet at hand.

2 Composition / Information on Ingredients

Chemical Characterization (Preparation):
Polydimethylsiloxane with functional groups and auxiliaries for condensation cross-linking.
Additional Information:
No hazardous substance or hazardous preparation according to latest version of 67/548/EEC.
Information indicated in chapter 8 are to be considered.

3 Hazards Identification

Special Hazard Identification for Human and Environment:
Hazard warning not required. No specific hazards under normal conditions of handling and use.

4 First-Aid Measures

General Information:
Remove soiled clothing. Get medical attention if irritation or other symptoms occur.
After Inhalation:
Material can not be inhaled under normal conditions. No special measures required.
After Skin Contact:
Wipe off excess material with cloth or paper. Use a waterless hand cleaner to remove as much of the remaining material as possible. Wash with soap and water.
After Eye Contact:
Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.
After Swallowing:
No special measures required. In case of sickness seek medical advice (show label if possible).

5 Fire-Fighting Measures

Suitable Extinguishing Media:
Water mist, extinguishing powder, alcohol-resistant foam, carbon dioxide, sand.
Extinguishing Media which must not be used for safety reasons:
Water jet.
Special Exposure Hazards arising from the substance itself, combustion products, resulting gases:
Burning product sets free a complex mixture of gases and airborne particulates, including carbon monoxide, carbon dioxide and other noxious and inflammable gases and fumes.
Special Protective Equipment for Fire Fighting:
Use respiratory protection independent of recirculated air.

6 Accidental Release Measures

Personal Precautions:
No special measures required.
If material is released indicate risk of slipping.
Environmental Precautions:
Prevent material from entering surface waters, drains or sewers and open soil.
Clean-up Method:
Adsorb spillages onto sand, earth or any suitable adsorbent material. Fill it into a clearly marked container and dispose of according to local/state/federal regulations (see Chapter 13). Clean any slippery coating that remains using a detergent/soap solution or other biodegradable cleaner.

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7 Handling and Storage

Handling:

No special protective measures required. Observe the usual precautionary measures for chemicals.
Stir thoroughly before use or catalysing.
Spilled substance increases risk of slipping.

Precautions Against Fire and Explosion:

No special precautions against fire and explosion required.

Storage:

Keep container tightly closed and store under cool and dry conditions.
Keep away from moisture.
Avoid direct sunlight and heat sources.

8 Exposure Controls / Personal Protection

For technical protective measures to limit exposure see also Chapter 7 "Handling and Storage".

Occupational Exposure Limits:

The product contains no components with an Occupational Exposure Limit.

Personal Protection:

Respiratory Protection: Not required under normal working conditions.

Hand Protection: Recommendation: Protective gloves made of butyl rubber.
Gloves suitable for up to 60 minutes' use.

Eye Protection: Recommendation: Protective goggles.

Skin Protection: Not required under normal working conditions.

General safety and hygienic measures:

Do not eat, drink or smoke during work.
Wash hands with water and soap before breaks and at end of work.
Do not put any product-soaked cloth in pockets of clothes.
Remove soiled, soaked clothing. Contaminated clothing should be thoroughly cleaned before re-use.

Exposure to the Environment Limited and Controlled:

Prevent material from introduction into surface water and into soil.

9 Physical and Chemical Properties

tested in accordance with

Form:	liquid		
Colour:	light-grey		
Odour:	odourless		
Flash Point:	> 250°C		DIN 51 376
Ignition Temperature:	> 450°C		DIN 51 794
Density:	approx. 1,22 g/cm ³	(at 20°C)	DIN 51 757
Viscosity:	10000 - 15000 mPa·s	(at 23°C)	Brookfield
Solubility in Water:	virtually insoluble	(at 20°C)	
pH Value:	not applicable		
Thermal Composition:	> 250°C		

10 Stability and Reactivity

General Information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Conditions to Avoid:

Stably with intended use.
Thermal decomposition at temperatures above 250°C.

Materials to Avoid:

None known.

Hazardous Decomposition Products:

If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known. Measurements have shown the formation of small amounts of formaldehyde at temperatures above 150°C through oxidation.

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11 Toxicological Information

General Information:

According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable.

Further Information:

According to present experience, the material is physiologically compatible.

According to present experience, the material is neither mutagenic, cancerogenic nor teratogenic.

12 Ecological Information

Ecotoxicity:

According to past experience toxicity to fish is improbable.

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

Persistence and Degradability: Biologically not degradable.
Insoluble in water. Easily separable from water by filtration.

Bioaccumulation Potential: Bioaccumulation is not expected to occur.

Further Information:

No environmental problems expected if handled and treated in accordance with standard industrial practices and local regulations where applicable.

In cross-linked state (after reaction with hardener) not soluble in water.

13 Disposal Considerations

Material:

Dispose of according to regulations by incineration in a special waste incinerator.

The relevant EU Directives and local, regional and national regulations must be complied with.

It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste Catalogue. It is recommended that details be sorted out with the waste disposer responsible.

Uncleaned Packaging (Recommendation):

Completely discharge containers (no tear drop, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

14 Transport Information

Is subject to no transportation regulations.

No dangerous cargo according to: ADR/RID (Land Transport - Road/Railway)
 GGVSee/IMDG-Code (Transport by Sea)
 ICAO-TI/IATA-DGR (Air Transport)

German Postal Dispatch: Permitted.

15 Regulatory Information

No labelling is required in accordance with the EEC directives.

National Regulation (Germany):

Water pollution class (WGK): 1 - slightly hazardous to water

WGK = Classification in accordance with the German Water Resources Act (VwVwS 1999-05-17)

16 Other Information

This data sheet was prepared in accordance with the EU Directives.

In the Safety Data Sheet all chapters which have been changed since last edition are marked with an asterisk (*) in front of the chapter number.

This Safety Data Sheet replaces all previous information.

Revised and valid from: see date of issue.