

Date of Issue: 09.03.2005
Replaced Data Sheet: June 2002
Product Name: Sealing Compound PH-S-607 (Hardener)

Page 1 of 4

***1 Identification of the Substance/Preparation and the Company**

Product Name: **Sealing Compound PH-S-607 (Hardener)**
Application: Hardener 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.
Additional Information:
No hazardous substance or hazardous preparation according to latest version of 67/548/EEC.
Informations 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.
Further Information to Man and Environment:
Danger of oxyhydrogen gas formation with water, alcohols, acids, metallic salts, amines and alkalis.

***4 First-Aid Measures**

General Information:
Immediately remove all contaminated clothing.
After Inhalation:
Provide fresh air. Seek medical advice and clearly identify substance.
After Skin Contact:
Wash with plenty of water or water and soap. Seek medical advice in case of continuous irritation.
After Eye Contact:
Rinse immediately with plenty of water for at least 10 minutes and seek medical advice.
After Swallowing:
Do not induce vomiting. Danger of aspiration. Seek medical advice immediately and present the label or packaging.

***5 Fire-Fighting Measures**

Suitable Extinguishing Media:
Alcohol-resistant foam, carbon dioxide, sand.
Extinguishing Media which must not be used for safety reasons:
Water, extinguishing powder, halones.
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:
Wear personal protection equipment (see chapter 8). Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling mists and vapours. Ensure adequate ventilation. If material is released indicate risk of slipping.
Environmental Precautions:
Prevent material from entering surface waters, drains or sewers and open soil. Dam in any fluid that runs out using suitable material (e.g. earth, sand).

***6 Accidental Release Measures** (continued)

Clean-up Method:

Do not flush away with water. Adsorb with a liquid binding material such as diatomaceous earth 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. Exhaust vapours.

Further Information:

Eliminate all sources of ignition. Do not seal collecting vessel gas-tight. Observe notes in chapter 7.

***7 Handling and Storage**

Handling:

Open and handle container with care. Ensure adequate ventilation. Exhaust at the object necessarily. Keep away from incompatible substances (see chapter 10). Spilled substance increases risk of slipping.

Precautions Against Fire and Explosion:

Product can separate hydrogen. Vapours may form in closed rooms with air mixtures, leading to explosion in the presence of sources of ignition, even in empty, uncleaned vessels. Keep away from sources of ignition and do not smoke. Keep away from open flames, heat and sparks. Take precautionary measures against electrostatic charging.

Storage:

Do not store in glass containers. Store in original container only.
Keep container tightly closed and store in a cool, well ventilated place.
Keep away from alkalis.
Avoid direct sunlight and heat sources. Protect against moisture.

***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.
In case of long or strong exposure: gas mask filter ABEK.

Hand Protection: Protection gloves made of: nitrile rubber or butyl rubber.
Gloves suitable for up to 60 minutes use.

Eye Protection: Protective goggles.

Skin Protection: Protective clothing.

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.

Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols.

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: | colourless | |
| Odour: | odourless | |
| Flash Point: | > 250°C | DIN 51 376 |
| Ignition Temperature: | > 400°C | DIN 51 794 |
| Density: | approx. 0,97 g/cm ³ | (at 20°C) DIN 51 757 |
| Viscosity: | 150 - 250 mPa·s | (at 20°C) Brookfield |
| Solubility in Water: | virtually insoluble | (at 20°C) |
| pH Value: | not applicable | |
| Thermal Composition: | > 200°C | |

Date of Issue: 09.03.2005
Replaced Data Sheet: June 2002
Product Name: Sealing Compound PH-S-607 (Hardener)

Page 3 of 4

*9 Physical and Chemical Properties

tested in accordance with

Other Information:

According to previous experience spontaneous combustion temperature for polymer siloxane with SiH compounds is above 240°C. On a catalytically active surface ignition may occur at much lower temperature. This applies to porous or fibrous substances including those with alkaline surfaces, such as thermal insulation and cementaceous insulation materials.

Explosion limits for released hydrogen: 4 - 75,6 % (V).

To "Solubility in Water": Hydrolytic decomposition.

To "pH-Value": Product displays neutral reaction.

*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 200°C.

Materials to Avoid:

Reacts with basic substances (e.g. alkalis, ammonia, amines), strong acids and oxidising agents. Reaction causes the formation of hydrogen.

Hazardous Decomposition Products:

Hydrogen. Measurements have shown the formation of small amounts of formaldehyde at temperatures above 150°C through oxidation. With hydrogen sil(ox)anes risk of spontaneous formation of combustible, highly flammable silanes under certain circumstances regardless of production process (documentation: E.L. Zichy, J. Organometal. Chem. 4 (1965), 411-412). Avoid any contact with alkalis.

*11 Toxicological Information

General Information:

According to present experience, the material is neither mutagenic, cancerogenic nor teratogenic. The toxicology results listed below are based on tests with similar material.

Acute Toxicity (LD50/LC50-values relevant to classification):

Oral, rat: > 20000 mg/kg

Primary Irritation:

To eyes, rabbit: Mildly irritating.

To skin, rabbit: Not irritating.

Sensitisation:

To skin, guinea-pig: Not sensitising (Magnusson-Klingmann-Test).

*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.

Mobility:

Forms thin oil film on surface of water. Absorbed by floating particles. Separation by sedimentation.

Persistence and Degradability:

Biologically not degradable. Elimination by adsorption in activated sludge.

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 resin) not soluble in water.

Date of Issue: 09.03.2005
Replaced Data Sheet: June 2002
Product Name: Sealing Compound PH-S-607 (Hardener)

Page 4 of 4

***13 Disposal Considerations**

Material:

Danger of oxyhydrogen gas formation with water, alcohols, acids, metallic salts, amines and alkalis.

Material designated for disposal must be segregated from incompatible substances or materials (see chapter 10). Provide measures to ensure pressure relief in the container during disposal. 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):

Containers may contain hazardous quantities of hydrogen gas. 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.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.