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## MATERIAL SAFETY DATA SHEET

**Product Name:** Gasket Maker; Silicone Sealant

**Revision Date:** 2013-04-25

**Compiler:** Liu Limin

**Checker:** Fanbin

**Approver:** Zhangxiangjin



Shanghai Research Institute of Chemical Industry Testing Centre  
Shanghai Classification and Testing Centre of Dangerous  
Chemicals for State Administration of Work Safety

# Hangzhou Fenglei Industrial Co., Ltd

## SAFETY DATA SHEET

### Gasket Maker; Silicone Sealant

#### SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: Gasket Maker; Silicone Sealant  
Company: Hangzhou Fenglei Industrial Co., Ltd  
Address: Yuelian Industrial Park, Jinhua Town, Xiaoshan District, Hangzhou City, Zhejiang Province, 311253, P.R.China  
Email: qc@adhesive.cn  
Fax: 86-571-82452937  
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SDS Number: 2613030035  
SDS Date: 2013-04-25

#### SECTION2 HAZARDS IDENTIFICATION

##### Hazards Identification:

GHS Classification:

Skin corrosion/irritation (Category 1)

Serious eye damage/irritation (Category 1)

Reproductive toxicity (Category 2)

The hazards not mentioned are not applicable or no data available.

##### Emergency Overview:

Causes severe skin burns and eye damage. Suspected of damaging fertility or the unborn child.

#### SECTION3 INFORMATION ON INGREDIENTS

Product name: Gasket Maker; Silicone Sealant

Ingredient	Concentration	CAS No.	EC No.
Polydimethylsiloxane, hydroxy terminated	35-40%	70131-67-8	/
Calcium carbonate	30-35%	471-34-1	207-439-9
Poly(dimethylsiloxane)	15-20%	63148-62-9	/
Modified silicon dioxide	5-10%	68611-44-9	271-893-4
Tris(2-methoxyethoxy)vinylsilane	3-5%	1067-53-4	213-934-0
Triethoxy(methyl)silane	2-4%	2031-67-6	217-983-9

#### **SECTION4 FIRST-AID MEASURES**

##### **Skin Exposure:**

In case of contact, immediately wash skin with soap and copious amounts of water. Call a physician.

##### **Eye Exposure:**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

##### **Inhalation Exposure:**

If inhaled, remove to fresh air. If necessary, get medical attention.

##### **Oral Exposure:**

If swallowed, immediately wash out mouth with water provided person is conscious. Call a physician.

#### **SECTION5 FIRE FIGHTING MEASURES**

##### **Extinguishing Media:**

Suitable: Water spray, Dry chemical, Carbon dioxide or appropriate foam.

##### **Firefighting:**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

#### **SECTION6 ACCIDENTAL RELEASE MEASURES**

##### **Procedure of Personal Precaution:**

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation.

##### **Methods for Cleaning up:**

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

##### **Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

#### **SECTION7 HANDLING AND STORAGE**

##### **Handling:**

Wear appropriate protective clothing and safety gloves. Avoid inhalation. Do not contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Mechanical exhaust required. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents, Acids, Bases, Peroxides. No smoking at working site.

##### **Storage:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents, Acids, Bases, Peroxides.

#### **SECTION8 EXPOSURE CONTROL/PPE**

##### **Engineering Controls:**

Mechanical exhaust required. Safety shower and eye bath.

##### **Personal Protective Equipment:**



Respiratory: Government approved respirator.  
Eye: Wear chemical safety goggles.  
Clothing: Wear chemical-resistant protective clothing.  
Hand: Wear chemical-resistant protective gloves.

**Other Protect:**

No smoking, drinking and eating at working site. Wash thoroughly after handling.

**SECTION9 PHYSICAL/CHEMICAL PROPERTIES**

Appearance: Colorless semi-transparent cream  
Odor: Weak penetrating odor  
Flash Point >95.0°C  
(Closed Cup)/°C:  
pH Value: 2.8 (25°C, 50.0g/L)  
Solubility: Slightly soluble in water

**SECTION10 STABILITY AND REACTIVITY**

**Stability:**

Stable under normal temperatures and pressures.

**Materials to Avoid:**

Strong oxidizing agents, Acids, Bases, Peroxides.

**Hazardous Polymerization:**

Will not occur.

**Hazardous Decomposition Products:**

Carbon oxides, silicon oxides, calcium oxides.

**SECTION11 TOXICOLOGICAL INFORMATION**

**Acute toxicity:**

Calcium carbonate: Rat Oral LD<sub>50</sub>: 6450mg/kg  
Poly(dimethylsiloxane): Rat Oral LD<sub>50</sub>: >24000mg/kg  
Tris(2-methoxyethoxy)vinylsilane: Rat Oral LD<sub>50</sub>: 2960mg/kg  
Rabbit Skin LD<sub>50</sub>: 1500uL/kg  
Triethoxy(methyl)silane: Rat Oral LD<sub>50</sub>: 8570uL/kg  
Rabbit Skin LD<sub>50</sub>: 13300uL/kg

**Skin corrosion/irritation:**

Causes severe skin burns.

**Serious eye damage/irritation:**

Causes severe eye damage.

**SECTION12 ECOLOGICAL INFORMATION**

**Toxicity:**

Tris(2-methoxyethoxy)vinylsilane: Toxicity to fish semi-static test LC<sub>50</sub> - Danio rerio (zebra fish) - > 100 mg/l - 96 h  
Toxicity to daphnia and other aquatic invertebrates static test EC<sub>50</sub> - Daphnia magna (Water flea) - 314.1 mg/l - 48 h  
Toxicity to algae static test EC<sub>50</sub> - Desmodesmus subspicatus (green algae) - 611 mg/l - 72 h

**Persistence and degradability:**

Tris(2-methoxyethoxy)vinylsilane: Biodegradability aerobic - Exposure time 28 d  
Result: 89 % - Readily biodegradable

**Bioaccumulative potential:**

No data available.

Mobility in soil:  
No data available.

### SECTION13 DISPOSAL CONSIDERATION

#### Appropriate Method of Disposal of Substance:

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

### SECTION14 TRANSPORT INFORMATION

**RID/ADR:** Proper Shipping Name: Corrosive liquid, acidic, organic, n. o. s. (Gasket Maker; Silicone Sealant)  
UN Number: UN3265  
Hazard Class: 8  
Packing Group: III

**IATA:** Proper Shipping Name: Corrosive liquid, acidic, organic, n. o. s. (Gasket Maker; Silicone Sealant)  
UN Number: UN3265  
Hazard Class: 8  
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**IMO:** Proper Shipping Name: Corrosive liquid, acidic, organic, n. o. s. (Gasket Maker; Silicone Sealant)  
UN Number: UN3265  
Hazard Class: 8  
Packing Group: III  
EmS No. : F-A, S-B

### SECTION15 REGULATORY INFORMATION

#### Regulation (EC) No. 1272/2008:

Skin corrosion/irritation (Category 1)  
Serious eye damage/irritation (Category 1)  
Reproductive toxicity (Category 2)

### SECTION16 OTHER INFORMATION

**Date:** 2013-04-25

**Department:** Shanghai Research Institute of Chemical Industry Testing Centre  
Shanghai Classification and Testing Centre of Dangerous Chemicals for State Administration of Work Safety  
Tel(Fax):8621-52815377/52800971/52807275/52811034/52569800

**Revision:** 0

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