

SAFETY DATA SHEET

ZH1200 SILICONE SEALANT

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: ZH1200 SILICONE SEALANT
Company: Hongkong Zhafei Industrial Co. Ltd
Address: Unit 04, 7/F, Bright Way Tower, No. 33 Mong Kok Road, Kowloon, Hongkong
Fax: 00852-35902333
SDS Number: 2616080042
SDS Date: 2016-09-09

SECTION2 HAZARDS IDENTIFICATION

Hazards Identification:

Classification according to GHS:
Flammable liquid (Category 4)
Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 2)
Skin sensitization (Category 1)
Specific target organ toxicity – Repeated exposure (Category 2) (Lung, Spleen, Blood tissue, endocrine) (Route of exposure: Inhalation)
The hazards not mentioned are not applicable or no data available.

Emergency Overview:

Combustible liquid.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Causes damage to organs through prolonged or repeated exposure: Lung, Spleen, Blood tissue, endocrine
Route of exposure: Inhalation.

SECTION3 INFORMATION ON INGREDIENTS

Product Name: ZH1200 SILICONE SEALANT

Ingredient	Concentration	CAS No.	EC No.
Polydimethylsiloxane	47%	63148-60-7	/
Silicon Dioxide	6%	7631-86-9	231-545-4
Mineral oil	42%	232-455-8	8042-47-5
Methyltris (methylethylketoxime) silane	5%	22984-54-9	245-366-4

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Hongkong Zhafei Industrial Co., Limited
香港紫菲實業有限公司

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SECTION4 FIRST-AID MEASURES

Skin Exposure:

In case of contact, take off contaminated cloth, wash skin with soap and copious amounts of water. If irritation persists, get medical attention.

Eye Exposure:

In case of contact, flush with copious amounts of water for at least 15 minutes.
Assure adequate flushing by separating the eyelids with fingers.
If eye irritation persists: Get medical attention.

Inhalation Exposure:

If inhaled, remove to fresh air.
If breathing is difficult, give oxygen.
If not breathing, give artificial respiration. Call a physician.

Oral Exposure:

If swallowed, wash out mouth with water provided person is conscious.
Do not induce vomiting.
Never give anything by mouth to an unconscious person. Call a physician.

SECTION5 FIRE FIGHTING MEASURES

Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Fire-extinguishing work is done from the windward.
Move containers to open area.
Keep containers cool by spraying with water.
Uninvolved persons should evacuate to a safe place.

SECTION6 ACCIDENTAL RELEASE MEASURES

Procedure of Personal Precaution:

Use personal protective equipment. Remove all sources of ignition. Avoid breathing vapors, mist or gas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to noninvolved personnel should be controlled around the leakage area by roping off.

Methods for Cleaning up:

Mix with inert material (e.g. dry, sand, vermiculite) and transfer to a dry, clean, lidded container for disposal. Avoid inhalation. Ventilate area and wash spill site

Environmental precautions:

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

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SECTION7 HANDLING AND STORAGE

Handling:

Wear anti-electrostatic clothing and gloves.
Avoid inhalation.
Avoid contact with eyes, skin and clothing.
Keep away from ignition sources, heat and flame.
Electrostatic charges may be generated during pumping.
Ensure electrical continuity by bonding all equipment.
Use only with adequate ventilation.
Avoid generation of vapour or aerosol.
Incompatibilities: Strong oxidizing agents.
Wash hands and face thoroughly after handling.

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.

SECTION8 EXPOSURE CONTROL/PPE

Exposure Limits:

Not set up

Engineering Controls:

Mechanical exhaust required. Safety shower and eye bath.

Personal Protective Equipment:

Respiratory: Wear government approved respirator.
Eye: Wear chemical safety glasses.
Clothing: Wear anti-electrostatic clothing.
Hand: Wear compatible protective gloves.

Other Protect:

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

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance: White cream
Odor: Weak odor
Flash point: 72.0°C
(Closed Cup) / °C:
pH Value: 7.4 (25°C, 50.0g/L)
Solubility: Slightly soluble in water

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SECTION10 STABILITY AND REACTIVITY

Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Heat, flames and sparks. Extremes of temperature and direct sunlight.

Materials to Avoid:

Strong oxidizing agents.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Carbon oxides, Nitrogen oxides (NO_x), Silicon oxide.

SECTION11 TOXICOLOGICAL INFORMATION

Acute toxicity:

Mineral oil:

Rat Oral LD₅₀: >5000mg/kg; Rat Inhalation LC₅₀: >5 mg/1/4H; Rabbit Skin LD₅₀: > 2000mg/kg

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation.

Causes serious eye irritation.

Respiratory or skin sensitization:

May cause an allergic skin reaction.

Carcinogenicity:

IARC: 3 – Group 3: Not classifiable as to its carcinogenicity to humans (Silicon dioxide).

Specific target organ toxicity – repeated exposure:

Causes damage to organs through prolonged or repeated exposure; Lung, Spleen, Blood tissue, endocrine.

Route of exposure: Inhalation

SECTION12 ECOLOGICAL INFORMATION

Toxicity:

Mineral oil:

Toxicity to fish static test LC₅₀ – Oncorhynchus mykiss (rainbow trout) - > 100mg/l – 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates static test LC₅₀ – Daphnia magna (Water flea) - > 100mg/l – 48 h (OECD Test Guideline 202)

Persistence and degradability:

No data available.

Bioaccumulative potential:

No data available.

Mobility in soil:

No data available.

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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, stated, and local environmental regulations.

SECTION14 TRANSPORT INFORMATION

RID/ADR: Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA: Non-Hazardous for Air Transport: Non-Hazardous for air transport

IMO: Non-Hazardous for Sea Transport: Non-Hazardous for sea transport

DOT: Proper Shipping Name: Combustible Liquid, n.o.s.
Number: NA1993
Class: COMBUSTIBLE LIQUID
Packing Group: Packing Group III
PIH: Not PIH

SECTION15 REGULATORY INFORMATION

Regulation (EC) No. 1272/2008:

Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 2)
Skin sensitization (Category 1)
Specific target organ toxicity – Repeated exposure (Category 2) (Lung, Spleen, Blood tissue, endocrine) (Route of exposure: Inhalation)

SECTION16 OTHER INFORMATION

Date:
2016-09-09

Other information:

The above information is believed to be correct but does not purport to be all inclusive and shall be served only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their practical purposes. In no way shall be liable for any claims, loses or damages of any third party for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.

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