



HITO CHEMICAL

Material Safety Data Sheet

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: H-77 Polyether modified silicone
Chemical name: Polyether modified silicone
MANUFACTURED BY: JIANGXI HITO CHEMICAL CO.,LTD
**NO 6,TIANHONG ROAD,XINGHUO INDUSTRY ZONE,
JIUJIANG CITY, JIANGXI PROVINCE,CHINA**
POST CODE: 330319
Emergency telephone number: +86-792-3170318

SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS NO.	CONCENTRATION
Polyether modified silicone	27306-78-1	70-100
Allyloxypolyethyleneglycol methyl ether	27252-80-8	5-10

SECTION 3 – HAZARDS IDENTIFICATION

APPEARANCE

Physical state Liquid

Color Straw-colored

Odor Moderate polyether

POTENTIAL HEALTH EFFECTS

Swallowing

Acute effects

No evidence of harmful effects from available information.

Effects of repeated overexposure

Ingestion may cause:

- injury to the liver
- injury to the thyroid
- injury to the kidney

Skin absorption

Acute effects

No evidence of harmful effects from available information.

Effects of repeated overexposure

May cause the following effects:

- skin irritation

Inhalation

Acute effects

Harmful effects are not expected from static vapor at ambient temperature. Inhalation of an aerosol of the neat

material within a confined space could result in respiratory distress and eye injury.

Effects of repeated overexposure

An aerosol of the neat liquid may cause:

- damage to respiratory tract
- injury to the eyes
- injury to the nasal cavity
- injury to the bloodforming system

Skin contact

Acute effects

Brief contact is not expected to produce irritation.

Prolonged contact may result in:

- minor irritation
- transient local redness
- swelling

Eye contact

Acute effects

Liquid splashed into the eye causes discomfort.

Causes the following effects:

- pain
- excess blinking
- tear production
- excess redness of the conjunctivae
- swelling of the conjunctivae
- mild corneal injury

SECTION 4 - FIRST AID MEASURES

Swallowing

No emergency care anticipated..

Skin

Wash skin with soap and water.

Inhalation

Remove to fresh air if aerosol spray is inhaled. If breathing is difficult, administer oxygen. Obtain medical attention immediately.

Eye contact

Immediately flush eyes with water and continue washing for several minutes. Obtain medical attention.

Notes to physician

Severe eye irritant. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point	> 115°C (240°F)
Autoignition temperture	Not determined.
Flammability limits in air	Not determined.
Extinguishing media	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide(CO ₂), dry chemical or water spray. Water can be used to cool fire exposed containers.

Fire Fighting Measures	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
Unusual fire hazards	None.
Hazardous decomposition products	Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with liquid and vapors: Wear suitable protective equipment.
Environmental precautions	Expected to be toxic to aquatic life: Avoid discharge to sewers and natural waters.
Methods for cleaning up	Cover with absorbent or contain. Collect for disposal. Observe government regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING
Handling precautions
Avoid contact with eyes. Do not breathe vapor, mist or aerosol. Use with adequate ventilation. Do not swallow. Wash thoroughly after handling.
Other precautions
Consult the manufacturer before using an aerosol of the neat liquid.
STORAGE
Storage requirements
Keep container closed.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Component Exposure Limits There are no components with workplace exposure limits.

Personal Protective Equipment

Eyes Use proper protection-safety glasses as a minimum.

Skin Washing at mealtime and end of shift is adequate.

Suitable gloves No special protection needed.

Inhalation No respiratory protection should be needed.

Suitable respirator None should be needed.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling point: > 150 °C at STP unless specified below. Copolymer

Melting point: -1 °C (30F)

PH:5.4

Specific gravity (H₂O=1): 1.0070

Vapor pressure: 450 hPa@25° C (77° F)

Vapor density (air=1) : 1

Solubility in water: Dispersible

Evaporation rate: (Butyl Acetate=1): < 1

Flash point : 166° C(331° F)

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable.

Stability - Conditions to avoid

None known.

Incompatible materials

None currently known.

Hazardous combustion products

Burning can produce the following combustion products:

Oxides of carbon.

Oxides of silicon.

Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.

Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

Hazardous polymerization: Will not occur.

Hazardous polymerization - Conditions to avoid

None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

SWALLOWING

Test results

Acute toxicity: LD50 Rats

Result: > 2,000 mg/kg

Remark: no toxicity

SKIN ABSORPTION

Test results

Acute toxicity: LD50

Result: > 4,000 mg/kg

Remark: no toxicity

SKIN CONTACT

Test results

Skin irritation: Species: Rabbit

Result: Mild irritation

Acute toxicity: LD50

Result: > 4,000 mg/kg

Remark: no toxicity

SKIN CONTACT

Test results

Skin irritation: Species: Rabbit

Result: =Mild irritation

SECTION 12 - ECOLOGICAL INFORMATION

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

AQUATIC TOXICITY

Acute toxicity fish: LC50 Rainbow trout

Result: 4.5 mg/l

Exposure time: 96 h

Acute toxicity fish: NOEC Rainbow trout

Result: 3.2 mg/l

Exposure time: 96 h

Acute toxicity to

aquatic

invertebrates:

EC50 Daphnia magna

Result: 24 mg/l

Exposure time: 48 h

Acute toxicity to

aquatic

invertebrates:

NOEC Daphnia magna

Result: 5.6 mg/l

Exposure time: 48 h

Ecotoxicological information No data at this time.

Chemical fate information No data at this time

SECTION 13 - DISPOSAL CONSIDERATIONS

General: Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT Classification:

This product is not regulated by DOT.

Freight description road: OIL, O/T PETROLEUM, LUBRICATING, NOIBN

IMDG Classification: This product is not regulated by IMDG.

SECTION 15 - REGULATORY INFORMATION

Chemical name	CAS#	CONCENTRATION
Polyether modified silicone	27306-78-1	70-100
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EPA Hazard Categories (SARA 311, 312): Immediate Health Hazard, Delayed Health Hazard

SECTION 16 - ADDITIONAL INFORMATION

RECOMMENDED USES AND RESTRICTIONS

Please consult the product and/or application information bulletins for this product.

HMIS RATING

Health: 2 Flammability: 1 Reactivity: 0 PPI: X

LEGEND

STP Standard temperature and pressure

W/W Weight/Weight

0 (HMIS) Minimal hazard

1 (HMIS) Slight hazard

2 (HMIS) Moderate hazard

3 (HMIS) Serious hazard

4 (HMIS) Severe hazard

X (HMIS) Personal protection rating to be supplied by user depending on use conditions

The opinions expressed herein are those of qualified experts within our company. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of our company, it is the user's obligation to determine the conditions of safe use of the products.

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