



HITO CHEMICAL

Material Safety Data Sheet

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: H-193

Chemical name: Water soluble silicone oil

MANUFACTURED BY: JIANGXI HITO CHEMICAL CO.,LTD

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SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS NO.	CONCENTRATION
Dimethyl, methyl(polyethylene oxide) siloxane	68937-54-2	> 60%
Allyloxypolyethyleneglycol	27274-31-3	15-40 %

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**

> 113 °C (Pensky-Martens Closed Cup)

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 (CO₂), 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

Physical Form: Liquid

Color: Amber

Odor: Characteristic odor

Specific Gravity @ 25°C: 1.07

Viscosity: 200-450 cSt

Cloud point(4wt% in water):80-95°C

Freezing/Melting Point: Not determined.

Vapor Pressure @ 25°C: Not determined.

Vapor Density: Not determined.

Solubility in Water: Not determined.

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.

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

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

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings**Section 302 Extremely Hazardous Substances:**

None.

Section 304 CERCLA Hazardous Substances:

None.

Section 312 Hazard Class:

Acute: No

Chronic: No

Fire: No

Pressure: No

Reactive: No

Section 313 Toxic Chemicals:

None present or none present in regulated quantities.

New Jersey

CAS Number	Wt %	Component Name
68937-54-2	> 60.0	Dimethyl, methyl(polyethylene oxide) siloxane
27274-31-3	15.0 - 40.0	Polyethylene oxide monoallyl ether

SECTION 16 - ADDITIONAL INFORMATION

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.