



# HITO CHEMICAL

## Material Safety Data Sheet

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** H-850

**Chemical name:** Leveling agent

**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
Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, ethers with polyethylenepolypropylene glycol mono-Me ether	157479-55-5	>80%
2,2,4,4,6,6,8,8-octamethyl- Cyclotetrasiloxane	556-67-2	< 1

### 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

- 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.

##### 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**

>80°C (212°F)

**Ignition temperature :**

> 200 °C (> 392 °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<sub>2</sub>), 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 :**

Eliminate all sources of ignition. Wear protective equipment: safety glasses, gloves and an appropriate respirator.

**Environmental precautions :**

Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

**Methods for containment :**

Stop leak. Dike and contain spill.

**Methods for cleaning up :**

Pump into salvage tanks and/or absorb with suitable material.

Use sparkles shovels to remove material.

**Additional advice :**

No further information is available.

**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

### Exposure Guidelines

Contains no substances with occupational exposure limit values.

### Engineering measures

Engineering measures : Use with local exhaust ventilation.

### Personal protective equipment

Eye protection : Safety Glasses

Hand protection : Protective gloves

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : Not necessary.

Hygiene measures : Clean long legged, long sleeved work clothes.

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**pH** : no data available

**Freezing point** : no data available

**Initial boiling point** : > 200 °C (> 392.00 °F)

**Vapour pressure** : < 1.0000000 hPa , at 20 °C (68.00 °F)

**Evaporation rate** : no data available

**Density** : 1.01-1.04 g/cm<sup>3</sup>

at 20 °C (68.00 °F)Method: DIN EN ISO 2811-3

**Bulk density** : not applicable

**Water solubility** : completely miscible

**Partition coefficient:** n-octanol/ water

: no data available

**Viscosity, kinematic** : at 20 °C (68.00 °F) 150-400

## 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**

Container sizes: 55 gallon drums,  
 DOT Not dangerous goods  
 IATA Not dangerous goods  
 IMDG\_US Not dangerous goods

**SECTION 15 - REGULATORY INFORMATION**

Chemical name	CAS#	New Jersey TS Nu
Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, ethers with polyethylenepolypropylene glycol mono-Me ether	157479-55-5	>80%
2,2,4,4,6,6,8,8-octamethyl- Cyclotetrasiloxane	556-67-2	< 1

**SECTION 16 - ADDITIONAL INFORMATION**

**RECOMMENDED USES AND RESTRICTIONS**

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

HMIS Classification :

Health Hazard: 0

Flammability: 1

Reactivity: 0

PPI:X

National Fire Protection

Association (NFPA) Class

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.