



# HITO CHEMICAL

## Material Safety Data Sheet

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** DH-40  
**Chemical name:** Reactive polysiloxane  
**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
Dimethylsiloxane fluid	70131-67-8	85.0 - 100.0
Dimethylcyclosiloxanes	none	1.0 - 5.0

### SECTION 3 – HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

##### Acute Effects

Eye: Direct contact may cause temporary redness and discomfort.

Skin: No significant irritation expected from a single short-term exposure.

Inhalation: No significant effects expected from a single short-term exposure.

Oral: Low ingestion hazard in normal use.

##### Prolonged/Repeated Exposure Effects

Skin: No known applicable information.

Inhalation: No known applicable information.

Oral: No known applicable information.

##### Signs and Symptoms of Overexposure

No known applicable information.

##### Medical Conditions Aggravated by Exposure

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions,

component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

### SECTION 4 - FIRST AID MEASURES

Eye: If irritation occurs, flush eye(s) with lukewarm gently flowing water for 5 minutes. Obtain medical attention.

Skin: No health effects expected. If irritation does occur flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.

Inhalation: If symptoms are experienced remove source of contamination or move victim to fresh air. If irritation persists, obtain medical advice.

Oral: If irritation or discomfort occur, obtain medical advice.

Notes to Physician: Treat according to person's condition and specifics of exposure.

## **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: 243.9 °F / 117.7 °C (Closed Cup)

Autoignition Temperature: 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.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Containment/Clean up: Determine whether to evacuate or isolate the area according to your local emergency plan.

Observe all personal protection equipment recommendations described in Sections 5 and 8.

For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbant. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See Section 8 for Personal Protective Equipment for Spills.

## **SECTION 7 - HANDLING AND STORAGE**

Use with adequate ventilation. Avoid eye contact.

Use reasonable care and store away from oxidizing materials.

## **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

### **Component Exposure Limits**

There are no components with workplace exposure limits.

### **Engineering Controls**

Local Ventilation: None should be needed.

General Ventilation: Recommended.

### **Personal Protective Equipment for Routine Handling**

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Suitable Gloves: Handle in accordance with good industrial hygiene and safety practices.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

### **Personal Protective Equipment for Spills**

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Inhalation/Suitable

Respirator:

No respiratory protection should be needed.

Precautionary Measures: Avoid eye contact. Use reasonable care.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical Form: Liquid

Color: Colorless

Odor: Slight odor

Specific Gravity @ 25°C: 0.975

Viscosity: 72 cSt

Freezing/Melting Point: Not determined.

Boiling Point: > 35 °C

Vapor Pressure @ 25°C: Not determined.

Vapor Density: Not determined.

Solubility in Water: Not determined.

pH: Not determined.

Volatile Content: Not determined.

Flash Point: 243.9 °F / 117.7 °C (Closed Cup)

Autoignition Temperature: Not determined.

Flammability Limits in Air: Not determined.

## **SECTION 10 - STABILITY AND REACTIVITY**

Chemical Stability: Stable.

Hazardous

Polymerization:

Hazardous polymerization will not occur.

Conditions to Avoid: None.

Materials to Avoid: Oxidizing material can cause a reaction.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition

products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

### **Acute Toxicology Data for Product**

Species Test Results

Oral LD50: Rat > 20 ML/KG

### **Special Hazard Information on Components**

No known applicable information.

## **SECTION 12 - ECOLOGICAL INFORMATION**

### **Environmental Fate and Distribution**

Complete information is not yet available.

### **Environmental Effects**

Complete information is not yet available.

### **Fate and Effects in Waste Water Treatment Plants**

Complete information is not yet available.

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50) High Medium Low

Acute Aquatic Toxicity (mg/L) <=1 >1 and <=100 >100

Acute Terrestrial Toxicity <=100 >100 and <= 2000 >2000

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

### **RCRA Hazard Class (40 CFR 261)**

When a decision is made to discard this material, as received, is it classified as a hazardous waste? No  
State or local laws may impose additional regulatory requirements regarding disposal.

## **SECTION 14 - TRANSPORT INFORMATION**

### **DOT Road Shipment Information (49 CFR 172.101)**

Not subject to DOT.

### **Ocean Shipment (IMDG)**

Not subject to IMDG code.

### **Air Shipment (IATA)**

Not subject to IATA regulations.

**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 (40 CFR 355):**

None.

**Section 304 CERCLA Hazardous Substances (40 CFR 302):**

None.

**Section 311/312 Hazard Class (40 CFR 370):**

Acute: No

Chronic: No

Fire: No

Pressure: No

Reactive: No

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water

and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other

reproductive harm.

None known.

**Massachusetts**

No ingredient regulated by MA Right-to-Know Law present.

**New Jersey**

CAS	Number Wt %	Component Name
70131-67-8	85.0 - 100.0	Dimethyl siloxane, hydroxy-terminated
None	1.0 - 5.0	Dimethylcyclosiloxanes

**SECTION 16 - ADDITIONAL INFORMATION**

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.