



# HITO CHEMICAL

## Material Safety Data Sheet

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** H-618  
**Chemical name:** spray adjuvant  
**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

**Pure substance/Mixture :** Mixture

**Chemical nature :** blend

#### Hazardous Component(s)

Chemical name	CAS-No.	EINECS-No. ELINCS No.	Concentration(%)
Ethoxylated Alcohol	9043-30-5	-	>= 25.000 - < 50.000
Polyalkyleneoxide Modified Heptamethyltrisiloxane	67674-67-3	-	>= 25.000 - < 50.000
Polyalkylene Oxide	27274-31-3	-	>= 1.000 - < 10.000

### SECTION 3 – HAZARDS IDENTIFICATION

#### 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**

**Suitable extinguishing media**

: Alcohol resistant foam. Carbon dioxide Dry chemical.

**Special fire fighting procedures**

: Do not use water jet as an extinguisher, as this will spread the fire. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters**

: Wear self-contained breathing apparatus and protective clothing.

## 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

**Form :** Liquid

**Color :** Yellow

**Odor :** Mild

**pH :** No data available.

**Melting Point :** -20 ° C

**Boiling point/boiling range :** > 150 ° C at 1,013 hPa

**Flash Point :** 165 ° C

**Method:** ASTM D 93

**Lower explosion limit :** No data available.

**Upper explosion limit :** No data available.

**Vapour pressure :** < 1.33 hPa at 20 ° C

**Density :** 1.0102 g/cm<sup>3</sup> at 25 ° C (1.013 hPa)

**Water solubility :** Dispersible

**Viscosity, kinematic :** 112 mm<sup>2</sup>/s at 25 ° C

**Relative Vapor Density :** Vapors are heavier than air and may spread near ground to sources of ignition.

Evaporation Rate : <1

## 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**

**Further Information:** This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

### **SECTION 15 - REGULATORY INFORMATION**

#### Inventories

Australia Inventory of Chemical Substances (AICS)	y (positive listing)
EU list of existing chemical substances	y (positive listing)
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)
China Inventory of Existing Chemical Substances	y (positive listing)
Korea Existing Chemicals Inventory (KECI)	y (positive listing)
Canada DSL Inventory	n (Negative listing)
Canada NDSL Inventory	n (Negative listing)
New Zealand Inventory of Chemicals	y (positive listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)
TSCA list	y (positive listing)

**For inventories that are marked as quantity restricted or special cases, please contact Mementive.**

#### Applicable Laws and Regulation Information for China

Regulations on Safety Administration of Hazardous Chemicals, Decree No.591 of the State Council

GB/T 16483: #Safety data sheet for chemical products - Content and order of sections#

GB 15258:#General rules for preparation of precautionary label for industrial chemicals#

GB 20576~GB 20602: Safety rules for classification, precautionary labelling and precautionary statements of chemicals

GB 13690:#General rule for classification and hazard communication of chemicals#

GB 12268:#List of dangerous goods#

GB 6944:#Classification and code of dangerous goods#

GB 190 #Labels for packages of dangerous goods#

GB/T 15098:#The principle of classification of transport packaging groups of dangerous goods#

GBZ 2.1#Occupational Exposure Limits for Hazardous Agents in the Workplace, Part 1, Chemical Hazardous Agents #

#### SECTION 16 - ADDITIONAL INFORMATION

- Literature Reference : ACGIH TLV for Chemical Substances  
Chemical safe administration data book (The Chemical Daily Co., Ltd.)
- Precautions : This material is developed and manufactured for industrial applications only. For medical or other special applications, use after performing safety testing on the product and confirming safety. Never use for human applications such as implant, impregnation, or where a residue may possibly remain in the body.
- Other precautions : Other (an address, and telephone and fax numbers for information, references)  
The information herein is made based on references, information and data available at present. It may be revised when new information is available. The descriptions herein are for normal handling. For special applications, make safety provisions suitable to them prior to use.
- The physical properties and other values indicated on this document are average values expected for the product and are not guaranteed.

#### **Further Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.