



HITO CHEMICAL

Material Safety Data Sheet

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: H-625

Chemical name: Spray adjuvant for herbicide

MANUFACTURED BY: JIANGXI HITO CHEMICAL CO.,LTD

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SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

Pure substance/Mixture : Mixture

Chemical nature : Organic Fluid / Siloxane Polyalkyleneoxide Copolymer Blend

Hazardous Component(s)

Chemical name	CAS-No.	EINECS-No. ELINCS No.	Concentration(%)
Cationic Surfactant	Trade secret	Trade secret	>= 50.000 - <= 100.000
Siloxane Polyalkyleneoxide Copolymer	Trade secret	Trade secret	>= 2.500 - < 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 : Amber

Odor : Amine like

pH : No data available.

Melting Point : 10 ° C

Boiling point/boiling range : Not determined

Flash Point : 82 ° C (Method: ASTM D 93)

Lower explosion limit : No data available.

Upper explosion limit : No data available.

Vapour pressure : < 1.33 hPa

Density : 1.0435 g/cm³ at 25 ° C

Water solubility : Soluble

Relative Vapor Density : Not determined

Thermal decomposition: No decomposition if stored and applied as directed

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

Acute oral toxicity	: No data available.
Acute inhalation toxicity	: No data available.
Acute dermal toxicity	: No data available.
Skin irritation.	: No data available.
Eye irritation	: No data available.
Sensitization	: No data available.
Further Information	: 1,4-Dioxane: Caused cancer in laboratory animal studies.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicological data for this product is not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Product	: Can be incinerated when in compliance with local regulations. Silica particulates are formed on incineration.
Contaminated packaging	: Dispose of as unused product.

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.