



HITO CHEMICAL

Material Safety Data Sheet

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: H-806

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

Hazardous components

| Chemical Name | CAS-No. | EINECS-No. ELINCS No. | Symbol(s) | R- phrase(s) | Concentration % |
|--|-------------|--------------------------|-----------|-----------------|--------------------|
| Polyalkyleneoxide modified Heptamethyltrisiloxane | 134180-76-0 | - | Xn, N | R20, R51/53 | > 80,000 |

SECTION 3 – HAZARDS IDENTIFICATION

Risk advice to man and the environment

Harmful by inhalation.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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 : Light yellow

Odor : Polyether

Safe data:

Melting Point : Pour point -50 ° C

Boiling point/boiling range : >150° C at 1.013 hPa Copolymer

Flash Point : 143 ° C (Method: ASTM D 93)

Vapour pressure : < 1.33 hPa at 20 ° C

Density : 1.002 g/cm³ at 25 ° C (1.013 hPa)

Water solubility : dispersible

Relative Vapor Density : >1

Evaporation rate: <1

SECTION 10 - STABILITY AND REACTIVITY

| | |
|----------------------------------|---|
| Conditions to avoid | : None known. |
| Materials to avoid | : None known. |
| Hazardous decomposition products | : Oxides of carbon. Oxides of silicon. |

SECTION 11 - TOXICOLOGICAL INFORMATION

| | |
|----------------------------------|---|
| Acute oral toxicity | : LD50 rat Dose: > 2.000 mg/kg |
| Acute inhalation toxicity | : 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. : The following information is based on analogy with a similar material. : LC50 rat Dose: 2 mg/l Exposure time: 4 h Aerosol : LC50 rat Dose: > 11,78 mg/l Exposure time: 4 h 5% Diluted aqueous solution |
| Acute dermal toxicity | : LD50 rat Dose: > 2.000 mg/kg |

Skin irritation : rabbit
 Exposure time: 4 h
 Result: slight irritation
 semi-occlusive

Eye irritation : rabbit
 Result: Slight irritation

Sensitization : guinea pig
 Result: negative
 Method: Magnusson-Kligmann

Genetic toxicity in vitro

: Test type: Salmonella Typhimurium/ Escherichia coli
 Result: negative

Further information

Ingestion may cause:

- injury to the liver
- injury to the thyroid
- injury to the kidney
- injury to the bloodforming system
- injury to the male and female reproductive systems

Aerosol may cause:

- damage to respiratory tract
- injury to the eyes
- injury to the nasal cavity
- injury to the bloodforming system

Skin contact may cause:

- skin irritation

SECTION 12 - ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Ecotoxicity effects

Toxicity to fish : LC50
 Species: Oncorhynchus mykiss (rainbow trout)
 Dose: 2,1 mg/l
 Exposure time: 96 h

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

| | | |
|--------------|-----------------|-------------|
| IMDG: | UN-No. | 3082 |
| | Class | 9 |
| | Packaging group | III |
| | IMDG-Labels | 9 |
| | EmS | F-A, S-F |

SECTION 15 - REGULATORY INFORMATION

Labelling according to EC Directives

Hazardous components which must be listed on the label:

- Polyalkyleneoxide modified Heptamethyltrisiloxane

| | | |
|-------------|-----------------|---|
| Symbol(s) | : Xn N | Harmful Dangerous for the environment |
| R-phrase(s) | : R20 R51/53 | Harmful by inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| S-phrase(s) | : S23 S61 | Do not breathe vapour. Avoid release to the environment. Refer to special instructions/safety data sheets. |

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.