

## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the product

Tin(II) methane sulfonate solution

### Manufacturer/supplier identification

Company: Guangdong Guanghua Sci-Tech Co.,Ltd

Address: No.295 Daxue Road,Shantou

PostCode:515000

E-mail: [export@ghtech.com](mailto:export@ghtech.com)

Emergency telephone No.: +86-754-82515813.

Fax No.: +86-754-88221999

## 2. Hazards identification

### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, Oral (Category 4)

Skin corrosion (Category 1B)

Serious eye damage (Category 1)

Skin sensitization (Category 1)

Acute aquatic toxicity (Category 2)

Chronic aquatic toxicity (Category 2)

### Label elements

Pictogram



Signal word Danger

### Hazard statement(s)

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long-lasting effects.

### Precautionary statement(s)

P264 + P265

Wash hands thoroughly after handling. Do not touch eyes. Get medical help.

P270

Do not eat, drink or smoke when using this product.

P272

Contaminated work clothing should not be allowed out of the workplace.

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301 + P330 + P331 + P317 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302 + P361 + P354 + P316 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. Get emergency medical help immediately.

P304 + P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell.

P305 + P354 + P338 + P317 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.

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P321	Specific treatment (see on this label).
P333 + P317	If skin irritation or rash occurs: Get medical help.
P363	Wash contaminated clothing before reuse.
P391	Get medical help if you feel unwell.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard Statements  
none

### 3. Composition/information on ingredients

#### *Synonyms*

Tin(II) methane sulfonate

CAS-No.: 53408-94-9

*M*: 308.91 g/mol

Molecular formula:  $\text{Sn}(\text{CH}_3\text{SO}_3)_2$

### 4. First aid measures

#### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### **In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

#### **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 5. Fire-fighting measures

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### **Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### 6. Accidental release measures

#### **Personal precautions**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

#### **Environmental precautions**

Do not let product enter drains. Discharge into the environment must be avoided.

#### **Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### 7. Handling and storage

#### **Precautions for safe handling**

Avoid contact with skin and eyes.

#### **Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## **8. Exposure controls and personal protection**

### **Appropriate engineering controls**

General industrial hygiene practice.

### **Personal protective equipment**

#### **Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### **Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

## **9. Physical and chemical properties**

**Form:** clear liquid

**Colour:** colourless

**Odour:** not available

**pH value:** not available

**Melting point:** -27 °C

**Boiling point:** not available

**Ignition temperature:** not available

**Flash point:** not available

**Autoignition temperature:** not available

### **Explosion limits**

**lower:** not available

**upper:** not available

**Density :** 1.55 g/mL(at 25°C)

**Bulk density:** not available

### **Solubility in**

**water (20 °C) :** not available

**diluted acids (20 °C) :** not available

**Thermal decomposition:** not available

## **10. Stability and reactivity**

### **Chemical stability**

no data available

**Conditions to avoid**

no data available

**Materials to avoid**

Strong base, strong oxidant, cyanide

**Hazardous decomposition products**

Other decomposition products - no data available

## **11. Toxicological information**

**Acute toxicity**

no data available

**Skin corrosion or irritation**

no data available

**Serious eye damage or eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

## **12. Ecological information**

**Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

## **13. Disposal considerations**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

## **14. Transport information**

**ADR/RID**

UN-Number: 3265    Class: 8    Packing group: II

# **GHTECH** Material Safety Data Sheet

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Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Tin(II) methane sulphonate solution)

## **IMDG**

UN-Number: 3265 Class: 8 Packing group: II

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Tin(II) methane sulphonate solution)

Marine pollutant : yes

## **IATA**

UN-Number: 3265 Class: 8 Packing group: II

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Tin(II) methane sulphonate solution)

## **15. Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## **16. Other information**

General update.

*Regional representation:*

This information is given on the authorised Safety Data Sheet for your country.