

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

### *Identification of the product*

Potassium thiocyanate

### *Manufacturer/supplier identification*

Company: Guangdong Guanghua Sci-Tech Co.,Ltd

Address: No.295 Daxue Road,Shantou

PostCode:515000

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

Acute toxicity, Inhalation (Category 4)

Acute toxicity, Dermal (Category 4)

Short-term (acute) aquatic hazard (Category 3)

### **Label elements**

Pictogram



Signal word Warning

### Hazard statement(s)

H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled.

H402 Harmful to aquatic life

### Precautionary statement(s)

P261 Avoid breathing dust.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/face protection.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

P302 + P352 + P312 IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/doctor if you feel unwell.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/ container to an approved waste disposal plant.

### Supplemental Hazard Statements

none

## **3. Composition/information on ingredients**



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. Discharge into the environment must be avoided.

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

**Form:** crystals

**Colour:** colorless

**Odour:** not available

**pH value:** 5.3~8.5

**Melting point:** 175°C

**Boiling point:** 500°C

**Ignition temperature:** not available

**Flash point:** not available

**Autoignition temperature:** not available

### **Explosion limits**

**lower:** not available

**upper:** not available

**Density :** 1.89 g/cm<sup>3</sup>

**Bulk density:** not available

### **Solubility in**

**water (20 °C) :** soluble in water.

**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**

Acids, Strong bases

### **Hazardous decomposition products**

no data available

## **11. Toxicological information**

### **Acute toxicity**

LD50 Oral - Rat - 854 mg/kg

LD50 Dermal - Rat - male and female - > 2,000 mg/kg

**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.

**Reproductive toxicity**

no data available

**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**

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 100 mg/l -96 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 11 mg/l - 48 h

**Persistence and degradability**

no data available

**Bioaccumulative potential**

Bioaccumulation Oncorhynchus mykiss (rainbow trout) - 16 Weeks - 35000 µg/l

**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: - Class: - Packing group: -  
Proper shipping name: Not dangerous goods

**IMDG**

UN-Number: - Class: - Packing group: -  
Proper shipping name: Not dangerous goods  
Marine pollutant: no

# **GHTECH** Material Safety Data Sheet

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## **IATA**

UN-Number: - Class: - Packing group: -  
Proper shipping name: Not dangerous goods

## **15. Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

## **16. Other information**

General update.

*Regional representation:*

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