

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

Copper(II) chloride anhydrous

Manufacturer/supplier identification

Company: Guangdong Guanghua Sci-Tech Co.,Ltd

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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, Dermal (Category 4)

Skin irritation (Category 2)

Serious eye damage (Category 1)

Acute aquatic toxicity (Category 1)

Chronic aquatic toxicity (Category 2)

Label elements

Pictogram



Signal word Danger

Hazard statement(s)

H302 + H312 Harmful if swallowed or in contact with skin

H315 Causes skin irritation.

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements

none

3. Composition/information on ingredients*Synonyms*

Copper(II) chloride anhydrous

CAS-No.: 7447-39-4



Material Safety Data Sheet

M: 134.45 g/mol

Molecular formula: CuCl

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: crystalline

Colour: claybank

Odour: not available

pH value: not available

Melting point: 620°C

Boiling point: 993°C

Ignition temperature: not available

Flash point: not available

Autoignition temperature: not available

Explosion limits

lower: not available

upper: not available

Density :3.386 g/cm³

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 bases, Alkali metals

Hazardous decomposition products

Other decomposition products - no data available

11. Toxicological information**Acute toxicity**

LD50 Oral - Rat - 584 mg/kg

LD50 Dermal Dermal - Rat - female - 1.224 mg/kg

(OECD Test Guideline 402)



Material Safety Data Sheet

LD50 Intravenous - Rat - 5 mg/kg

LD50 Intraperitoneal - Rat - 14,7 mg/kg



Material Safety Data Sheet

ADR/RID

UN-Number: 2802 Class: 8 Packing group: III
Proper shipping name: COPPER CHLORIDE

IMDG

UN-Number: 2802 Class: 8 Packing group: III
Proper shipping name: COPPER CHLORIDE
Marine pollutant: yes

IATA

UN-Number: 2802 Class: 8 Packing group: III
Proper shipping name: Copper chloride

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.