JHD®

# Material Safety Data Sheet

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

*Identification of the product*
Copper(II) acetate monohydrate
*Manufacturer/supplier identification*
Company: Guangdong Guanghua Sci-Tech Co.,Ltd
Address: No.295 Daxue Road,Shantou
PostCode:515000
E-mail: export@jinhuada.com
Emergency telephone No.: +86-754-82515813.
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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)
Skin corrosion (Category 1B)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 1)

**Label elements**
Pictogram

Signal word Danger

Hazard statement(s)
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

| | |
|---|---|
| P260 | Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. |
| P280 | Wear protective gloves/ eye protection/ face protection. |
| P301 + P312 + P330 | IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304 + P340 + P310 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. |
| 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) acetate monohydrate

CAS-No.: 6046-93-1
*M:* 199.65 g/mol
Molecular formula:$C_4H_6CuO_4 \cdot H_2O$

## 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**
Take off contaminated clothing and shoes immediately. 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**
Do NOT induce vomiting. 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 firefighting if necessary.

## 6. Accidental release measures

**Personal precautions**
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up**
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 7. Handling and storage

**Precautions for safe handling**
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage**
Keep container tightly closed in a dry and well-ventilated place.

## 8. Exposure controls/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. Discharge into the environment must be avoided.

## 9. Physical and chemical properties

**Form:** crystals or powder

**Colour:** dark green

**Odour:** not available

**pH value:** 5.2 – 5.5 at 20 g/l at 20 ℃

**Melting point:** 115℃

**Boiling point:** 240℃

**Ignition temperature:** not available

**Flash point:** not available

**Autoignition temperature:** not available

**Explosion limits**

**lower:** not available

**upper:** not available

**Density :**1.88 g/cm$^3$

**Bulk density:** not available

**Solubility in**

**water (20 ℃) :** soluble in water.

**diluted acids (20 ℃) :** not available

**Thermal decomposition:** not available

## 10. Stability and reactivity

**Chemical stability**
no data available

**Conditions to avoid**
no data available

**Materials to avoid**
Oxidizing agents

**Hazardous decomposition products**
Other decomposition products - no data available

## 11. Toxicological information

**Acute toxicity**
LD50 Oral - Rat - > 300 - < 2.000 mg/kg
LD50 Dermal - Rat - > 2.000 mg/kg

**Skin corrosion/irritation**
Skin - EPISKIN Human Skin Model Test
Result: Causes burns.

**Serious eye damage/eye irritation**
Eyes - Rabbit
Result: Risk of serious damage to eyes.

**Respiratory or skin sensitization**
Maximisation Test - Guinea pig
Does not cause skin sensitisation.

**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**
Toxicity to fish mortality LC50 - Cyprinus carpio (Carp) – 0.39 mg/l – 96.0 h

**Persistence and degradability**
no data available

**Bioaccumulative potential**
no data available

**Mobility in soil**
no data available

**PBT and vPvB assessment**
no data available

**Other adverse effects**
Very toxic to aquatic life with long lasting effects.

## 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: 1759 Class: 8 Packing group: II
Proper shipping name: CORROSIVE SOLID, N.O.S. (Copper di(acetate))

**IMDG**
UN-Number: 1759 Class: 8 Packing group: II
Proper shipping name: CORROSIVE SOLID, N.O.S. (Copper di(acetate))
Marine pollutant: yes

**IATA**
UN-Number: 1759 Class: 8 Packing group: II
Proper shipping name: Corrosive solid, n.o.s. (Copper di(acetate))

## 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.