

XINGJIA BIO-ENGINEERING CO.,LTD

SAFETY DATA SHEET

Caliton

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: Caliton (Basic copper chloride)
Company: XINGJIA BIO-ENGINEERING CO.,LTD
Address: No. 370, Kangning Rd, Liuyang Industrial Park, Changsha 410300, China
Email: echochen@xj-bio.com.sg
Fax: 86-731-84760138
Emergency Phone: 86-731-84760588

Recommend use of the chemical and restrictions on use:Feed additive.Professional use only.

SECTION2 HAZARDS IDENTIFICATION

Physical Hazards:

Not Classified

Health Hazards:

Acute toxicity-Oral Category 4

Acute toxicity-Inhalation Category 4

Environmental Hazards:

Hazardous to the aquatic environment-Acute hazard Category 1

Hazardous to the aquatic environment-Chronic hazard Category 1

The hazards not mentioned are not applicable or no data available



Signal Word:

Warning

Hazard Statements:

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H410 Very toxic to aquatic life with long lasting effects.

Prevention Precautionary Statements:

P264 Wash thoroughly after handling.

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

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P273 Avoid release to the environment.

Response Precautionary Statements:

P301+P317 IF SWALLOWED: Get medical help.

P330 Rinse mouth.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P317 Get medical help.

P391 Collect spillage.

Storage Precautionary Statements:

Unknown

Disposal Precautionary Statements:

P501 Dispose of contents/container in accordance with local/regional/national/international regulation

Other Hazards:

No data available.

SECTION 3 INFORMATION ON INGREDIENTS

Product name: Caliton

Ingredient	Concentration	CAS No.	EC No.
Substance:			
Basic copper chloride	98%	1332-65-6	215-572-9

SECTION 4 FIRST-AID MEASURES

Skin Exposure:

In case of skin contact, flush with copious amounts of water. If irritation persists, Call a physician.

Eye Exposure:

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.

Assure adequate flushing by separating the eyelids with fingers. If irritation persists, Call a physician.

Inhalation Exposure:

If inhaled, immediately remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician.

Oral Exposure:

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Most Important Symptoms/Effects, Acute and Delayed:

No data available.

Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary:

No data available.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Suitable: Dry chemical, Water spray, Carbon dioxide or appropriate foam.

Specific Hazards Arising from the Chemical:

Environmentally hazardous substances. Take care as it may decompose upon combustion or in high temperatures to generate Copper oxides, Hydrogen chloride gas, etc.

Special Protective Action for Fire-fighters:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward.

Uninvolved persons should evacuate to a safe place.

SECTION6 ACCIDENTAL RELEASE MEASURES

Personal Precautions,Protective Equipment and Emergency Procedures:

Use personal protective equipment. Remove all sources of ignition. Avoid breathing dust. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to noninvolved personnel should be controlled around the leakage area by roping off.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Avoid entering drains. Avoid release to the environment. Collect spillage.

Methods and Materials for Containment and Cleaning up:

Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION7 HANDLING AND STORAGE

Precautions for Safe Handling:

Operators should be trained and strictly abide by operating procedures. Wear appropriate protective clothing and gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Prevent generation of dust. Handling is performed in a well ventilated place. Keep away from ignition sources, heat and flame. Handling and unloading should be light, to prevent packaging broken, damp and cause losses. Working place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

Conditions for Safe Storage,Including Any Incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

SECTION8 EXPOSURE CONTROL/PPE

Control Parameters:

GBZ 2.1-2019 Occupational Exposure Limits for Hazardous Agents in the Workplace -Part 1:Chemical

Hazardous Agents:

Not set up

ACGIH:

Not set up.

Appropriate Engineering Controls:

Mechanical exhaust required.Safety shower and eye bath.

Individual Protection Measures**Eye/Face Protection:**

Wear chemical safety glasses.

Skin Protection:

Hand Protection:Wear compatible protective gloves.

Body Protection:Wear appropriate protective clothing.

Respiratory Protection:

Wear government approved respirator.

Thermal Hazards:

No data available.

Other Protect:

No smoking, drinking and eating at working site.Wash thoroughly after handling.

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance: Grass green powder

Odor: Weak odor

pH Value: Not applicable

Solubility: Insoluble in water

Melting >280°C carbonization

Point/Freezing

Point:

Boiling Point, Not applicable

Initial Boiling

Point and Boiling

Range:

Flash Point Not applicable

(Closed Cup):

Density/Relative Density: No data available

Kinematic Not applicable

Viscosity:

Lower/Upper No data available

Explosion**Limit/Flammability****Limit:****Vapour Pressure:** No data available**Relative Vapor** No data available**Density:**

Partition No data available

Coefficient**N-Octanol/Water(****Log Value):****Autoignition** No data available**Temperature:****Decomposition** No data available**Temperature:****Particle** No data available**Characteristics:****Flammability** The substance is not classified in Division 4.1 Flammable Solids.**(Solid,Gas):****SECTION10 STABILITY AND REACTIVITY****Reactivity:**

No data available.

Chemical Stability:

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions:

No data available.

Conditions to Avoid:

No data available.

Incompetible Materials:

No data available.

Hazardous Decomposition Products:

Copper oxides,Hydrogen chloride gas,etc.

SECTION11 TOXICOLOGICAL INFORMATION**Acute Toxicity:**

Copper oxychloride:rat oral loxicity LD:1083 mg/kg;rat inlallation toxicity LC...:1854 mg/L(4h)

Skin Corrosion/Irritation:

No data available.

Serious Eye Damage/Irritation:

No data available.

Respiratory Sensitization:

No data available.

Skin Sensitization:

No data available.

Carcinogenicity:

No data available.

Germ Cell Mutagenicity:

No data available.

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.

SECTION12 ECOLOGICAL INFORMATION

Toxicity:

No data available.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Soil:

No data available.

Other Adverse Effects:

No data available.

SECTION13 DISPOSAL CONSIDERATION

Disposal Methods:

Recycle as far as possible.If unable to recycle,it is recommended to use incinerat ion method for disposal under supervision.This product should not be disposed of by discharge into sewers.Return empty containers to the manufacturer or dispose of them in accordance with national and local

regulations. Follow the relevant provisions of national and local regulations before disposal. It is recommended to be disposed of by a qualified chemical waste treatment department.

SECTION 14 TRANSPORT INFORMATION

US DOT (Ground Transportation) - Non-bulk & Bulk

Not Regulated

US IMO/IMDG (Water Transportation)

Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (Copper Sulfate)

Hazard Class 9

UN/NA UN3077

Packing Group III

Marine Pollutant Yes

EMS Number F-A, S-F

US ICAO/IATA (Air Transportation)

Not Regulated

US RID/ADR (Rail Transportation)

Not Regulated

SECTION 15 REGULATORY INFORMATION

Montreal Protocol:

Not listed.

Stockholm Convention:

Not listed.

Rotterdam Convention:

Not listed.

EINECS/ELINCS:

All ingredients in the product are not listed.

TSCA:

Copper oxychloride in the product is not listed.

IECSC:

Copper oxychloride in the product is not listed.

SECTION16 OTHER INFORMATION

Preparation Date:

2021-03-31

Preparation Department:

Shanghai Research Institute of Chemical Industry Testing Co.,Ltd.

Tel(Fax):+86-21-52815377/31765555

Reference Standard:

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS(GHS),8"revisad edition

Other Information:

This SDS is compiled based on the information such as ingredients provided by the applicant and our current knowledge. This SDS shall be used only as a guide.The users of this SDS must make independent judgments on the correctness andcompleteness and then decide its suitability according to the actual situation. The users should take the relevant legal responsibilities for the consequences of use.