

**IVORYCHEM PTE LIMITED**

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Web: www.ivorychem.com
Co. Registration No. 200405572W
GST Registration No. 200405572W

MATERIAL SAFETY DATA SHEET**RAPIDOX 50 WP FUNGICIDE**

Version: Global
Date Approved:
Revision No: 1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RAPIDOX 50 WP FUNGICIDE
ACTIVE INGREDIENT: Copper Oxychloride
CHEMICAL FAMILY:
MOLECULAR FORMULA: NA
SYNONYMS: NA

MANUFACTURER

IVORYCHEM PTE LTD
15 Beach Road, #02-09
Beach Centre
Singapore 189677
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Emergency Telephone Numbers:

Emergency Phone contact@ivorychem.com (Please refer local label for Emergency Numbers in your region).

COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS # | Wt.% | PEL/TLV | EC No. | EC Class |
|--------------------|-----------|------|---------|--------|----------|
| Copper Oxychloride | 1332-65-6 | 100 | None | None | None |

HAZARDS IDENTIFICATION

Accute Health Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

Chronic Health Effects: Chronic copper poisoning is typified by hepatic cirrhosis, brain damage and demyelination, kidney defects, and copper deposition in the cornea as exemplified by humans with Wilson's disease. It has also been reported that copper poisoning has lead to hemolytic anemia and accelerates arteriosclerosis.

Accute Health Effects: This product is not listed by NTP, IARC or regulated as a Carcinogen by OSHA.



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FIRST AID MEASURES

First Aid For Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

First Aid For Skin: In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

First Aid For Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

First Aid For Ingestion: If swallowed, call a physician immediately.

FIRE FIGHTING MEASURES

Flammability: Non-Flamable

Flash Points: Not Applicable

Auto-Ignition: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Water spray, Dry chemicals, Carbon Dioxide, fog or foam

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Fire/Explosion Hazards: May emit toxic chlorine gas under certain conditions.

ACCIDENTAL RELEASE MEASURES

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

HANDLING AND STORAGE

Storage Temperatures: Store at ambient temperature

Shelf Life: Unlimited in tightly closed container.

Special Sensitivity: None

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials (see Section X). Reseal containers immediately after use. Store away from food and beverages.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Employees should wash their hands and face before eating, drinking or using tobacco products.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Protective Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous chemicals.



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PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Powder
Color: Blue to Green
Odor: Odorless
Molecular Weight: 427.2
Boiling Point: Decomposes at 300°C
Melting/Freezing Point: Decomposes at 300°C
Solubility In Water: Insoluble
Specific Gravity: 3.7

STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization Will Not occur
Incompatibilities: Acids
Instable Conditions: Excessive temperatures (see Incompatibilities).
Decomposition Temperature: Decomposes at 300°C
Decomposition products: Oxides of Copper and Chlorine

TOXICOLOGICAL INFORMATION

RTECS Number: Not Established
Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.
Toxicity Data: To the best of our knowledge the toxicological properties of this compound have not been thoroughly investigated.
Chronic Toxic Effects: Chronic copper poisoning is typified by hepatic cirrhosis, brain damage and demyelination, kidney defects, and copper deposition in the cornea as exemplified by humans with Wilson's disease. It has also been reported that copper poisoning has lead to hemolytic anemia and accelerates arteriosclerosis.
Acute Toxic Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

ECOLOGICAL INFORMATION

Ecotoxicity: Not available at this time.

DISPOSAL CONSIDERATIONS

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.



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TRANSPORT INFORMATION

Proper Shipping Name: Copper Oxychloride
UN Number: N/A
Class: N/A
P.G.: N/A
Label Code: N/A

REGULATORY INFORMATION

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) inventory List
California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.
SARA 313 Title III:
Section 302 Extremely Hazardous Substances: None
Section 311/312 Hazardous Categories: None
Section 313 Toxic Chemicals: This product may be subject to reporting. Copper Content %55.0 – 59.5%

OTHER INFORMATION

Buyer assumes all responsibility for safety and use not in accordance with the product label instructions.