

MATERIAL SAFETY DATA SHEET

Copper Oxychloride Fungicide

IDENTIFICATION

CLASSIFIED AS NOT HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

PRODUCT NAME: Copper Oxychloride Fungicide

OTHER NAME: Copper oxychloride

6
To control fungus diseases of certain fruit, vegetables & ornamentals as per label instructions.

PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE: Green to bluish-green powder.
MELTING POINT: Decomposes above ca. 220°C
BOILING POINT: Not available
VAPOUR PRESSURE: Less than 10^{-7} mbar @ 20°C
SPECIFIC GRAVITY: Not applicable
FLASH POINT: Not applicable
FLAMMABILITY LIMITS: Not applicable
SOLUBILITY IN WATER: Disperses in water
CORROSIVENESS: Corrosive to iron and other metals
REACTIVITY: Do not expose to oxidising agents, acids, alkalis, dyes

INGREDIENTS

| CHEMICAL NAME | CAS.NO. | PROPORTION |
|--|-----------|------------|
| Copper (as copper oxychloride) | 1332-40-7 | 500g/kg |
| Other ingredients determined not to be hazardous | - | To 100% |

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

HAZARD CLASSIFICATION (In accordance with criteria of Worksafe Australia): Classified as not hazardous

RISK PHRASES: None allocated

SAFETY PHRASES: None allocated

GENERAL:

No adverse health effects are expected when the product is used in accordance with label directions.

ACUTE

SWALLOWED:

Copper Oxychloride - The acute oral toxicity is moderate. Oral LD50 (male rat) 1440mg/kg.

End-Product (50% Copper Oxychloride) Oral LD50 (rat-male) 2880mg/kg (calculated)

EYE:

Moderate eye irritant.

SKIN:

The acute dermal toxicity is low. Repeated skin contact may cause allergic reactions.

Dermal LD50 (rat) >2000mg/kg (Copper oxychloride).

For product LD50 >16000mg/kg.

INHALED:

The acute inhalation toxicity is moderate. Excessive exposure to dust may be harmful. Prolonged exposure to the dust may cause eye and respiratory irritation, dizziness and headaches.

Inhalation LD50 (rat) = >30 mg/m³ (4 hours) (Copper oxychloride).

CHRONIC:

No adverse health effects are expected when the product is used in accordance with label directions.

FIRST AID

GENERAL:

In every case of suspected poisoning contact a doctor or a Poisons Information Centre immediately (Phone 131126).

SWALLOWED:

Seek medical attention immediately.

NOTE: Do not give fluids, tablets or induce vomiting if patient is unconscious or convulsing.

EYE:

Hold eyelids open and flush eyes with water for at least fifteen minutes. Seek medical attention.

SKIN:

Immediately remove contaminated clothing and wash skin thoroughly with soap and water.

e INHALED:

Immediately remove patient to fresh air. If difficulty in artificial respiration if necessary.

breathing is experienced, give oxygen and

FIRST AID FACILITIES:

Soap, water.

ADVICE TO DOCTOR:

Treat symptomatically

PRECAUTIONS FOR USE

EXPOSURE STANDARDS:

Worksafe Occupational Exposure Standard (TWA – Time Weighted Average)

Copper oxychloride - 10mg/m³

Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

ENGINEERING CONTROLS:

Use only in a well ventilated area.

PERSONAL PROTECTION:

When handling the product, preparing and using spray wear:

- gloves
- dust/mist mask

Wash hands, after use.

FLAMMABILITY:

Not flammable under normal conditions of use.

SAFE HANDLING INFORMATION

STORAGE

Store product in close original container in a cool, dry place out of the reach of children.

TRANSPORT

Product is not classified as a dangerous good in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SPILLAGE

If made up solution is spilt apply absorbent material such as sand, earth or attapulgate to contain the spill. Sweep up the material when absorption is complete. If the powder is spilt sweep up and re-use.

DISPOSAL

Dispose of empty containers by wrapping in paper, placing in plastic bag and putting in garbage.

Do not allow chemical containers, spray or washings to contaminate drains, sewers, streams, ponds or any waterway.

FIRE/EXPLOSION HAZARD Not a fire or explosion hazard

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of copper.

FIRE FIGHTING EQUIPMENT: Water, foam carbon dioxide or dry chemical powder