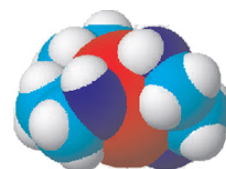


SAFETY DATA SHEET

COPTYZIN



Revised: 15 September 2020

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE SUPPLIER

Identification : COPTYZIN

Relevant use : Copper and zinc based pesticide

Importer and Distributor: Micro-Nutrients NZ Ltd.
21 l'Anson Road
Te Puna RD7,
Tauranga 3179, NZ
Telephone: 0272820199

Emergency telephone : National Poisons Centre
0800 764 766

2. HAZARDS IDENTIFICATION

Hazardous substances (Classes 6, 8 and 9 Controls) 2001

HSNO Classifications: 6.1E Acute toxicity (oral & dermal)
6.5B Skin sensitization
6.8B Reproductive / development toxicity
6.9B Target organ toxicity
8.2C Skin corrosivity
8.3A Eye corrosivity
9.1A Aquatic ecotoxicity
9.3B Ecotoxicity to terrestrial vertebrates



Signal word Danger

Hazard statements Harmful if swallowed
Causes severe skin burns and eye damage
May cause an allergic skin reaction
Causes serious eye damage
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects

Precautionary statements Do not breathe mists
Wash hands and contaminated skin thoroughly after handling

Do not eat, drink or smoke when using the product
Contaminated work clothing should not allowed out of the work place
Wear protective gloves/protective clothing/eye protection/face protection
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
IF ON SKIN: Wash with plenty of soap and water
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
Call a POISON CENTER or doctor/physician if you feel unwell
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse
Collect spillage
Store locked up
Dispose of contents and container in accordance with local regulation

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Information on the preparation

Preparation containing CopperTEPA chelate (95 g Cu/L) and ZincTETA chelate (5 g Zn/L)

4. FIRST AID MEASURES

| | |
|-----------------------------|--|
| First Aid General | Always consult with a doctor in case of doubt or in case of persistence. |
| Skin | Wash with water and soap. Take spoiled clothing out immediately. Wash the clothes before wearing them again. |
| Eyes | Rinse with large amounts of water. Including under eyelids. Obtain medical attention if irritation occurs. |
| Ingestion | Rinse the mouth, drink a lot of water. Contact a physician. |
| Advise to the doctor | No extra information available. |

5. FIRE FIGHTING MEASURES

| | |
|---|--|
| Extinguishing media | The product is not flammable. Any extinguishing media can be used. |
| Non suitable extinguishing media | Unknown. |
| Special exposure hazards | In case of fire and/or explosion avoid inhalation of smoke. |
| Hazardeous decomposition- resp. | Gasses can form at very high temperature |
| Protective equipment | Use self-contained breathing apparatus with fresh air supply |

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|--|
| Personal Precautions | See Individual Protection Section 8. |
| Environmental Precautions | Prevent product from entering in surface waters. |
| Spillage | Collect spilled product by any suitable means and return to process, or to industrial waste collector. Rinse with water. Collect the water and have it treated. See Section 13. |

7. HANDLING AND STORAGE

| | |
|--------------------------------------|--|
| Handling | Coptyzin must be under the control of an approved handler. |
| Fire-and explosion prevention | No specific recommendations. |
| Storage | No specific recommendations when product is maintained in its original packing. Product to be stored in a cool dry place at between +5°C and +30°C. |

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

| | |
|-----------------------------------|--|
| Technical control measures | Normal precaution when handling pesticides. |
| Exposure limits | Unknown. |
| Personal Hygiene | |
| Respiratory protection | Wear suitable face mask. |
| Hand protection | Wear suitable gloves. |
| Eye protection | Wear safety glasses. |
| Skin protection | Wear protective clothing. Normal, elementary precautions should be observed. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------|----------------------------|
| Appearance | Liquid (+5°C). |
| Color | Dark blue. |
| Odor | Slightly ammoniacal. |
| Boiling point/range | Approx. 105°C. |
| Melting point/range | < - 5°C. |
| Flashpoint | None (aqueous solution). |
| Flammability | Not relevant. |
| Autoflammability | Not applicable. |
| Explosive properties | Not applicable. |
| Explosive limits | Not applicable. |
| Oxidizing properties | Not applicable. |
| Vapour pressure | As for water. |
| Density | Approx. 1,24 kg/l. |
| Apparent density | Not applicable. |
| Solubility in water | Complete. |
| Solubility in other | |
| Solvents | Not determined. |
| pH-value | Between 10.0 and 11.0 |
| Partition coefficient | |
| n-octanol/water | Not determined. |
| Relative vapour pressure | |
| (air=1) | As for water. |
| Viscosity | Not relevant. |
| Other information | Loss of water as of 100°C. |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Stability | Stable and non-reactive under recommended storage and handling conditions(see section 7) |
| Conditions to avoid | None known under recommended storage and handling conditions |
| Materials to avoid | None known |
| Hazardous decomposition products | None known under normal conditions of storage and use. |

11. TOXICOLOGICAL INFORMATION

No experimental toxicological data about the product available.
Based on structural related products and literature following can be stated :

Acute toxicity
Ingestion LD50

rat : 300 mg/kg < category 4 ≤ 2000 mg/kg.

12. ECOLOGICAL INFORMATION

No experimental toxicological data about the preparation available.
Based on structure-analogical preparations following can be expected :

Biodegradability Not easily biodegradable.

13. DISPOSAL CONSIDERATIONS

Product: It is not envisaged that there would be any substance remaining in the container that would require disposal. The empty container should be triple rinsed, rinsate added to the spray tank and container rendered unusable by crushing or puncturing and burial in a suitable landfill, recycled in an Ag recovery programme or disposed of in a local body recycling container collection depot

14. TRANSPORT INFORMATION

UN number: 1760

Proper shipping name: Corrosive Liquid, NOS

Class: 9

Packing Group: III

HAZCHEM Code: 2X

Do not carry more than 1L on a passenger service vehicle.

15. REGULATORY INFORMATION

ACVM Number P8542

HSNO Number: HSR100658

16. OTHER INFORMATION

Directions for use: Refer to container label.