

**SAFETY DATA SHEET****CuProMan**Revision 0
Revision date 16-Mar-2010**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY**

Product name CuProMan

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2 HAZARDS IDENTIFICATION.

Main hazards Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May cause irritation to skin and eyes.

3 . COMPOSITION / INFORMATION ON INGREDIENTS.**Hazardous ingredients**

	Conc.	CAS	EINECS	Symbols/Risk phrases
Manganese Carbonate	80-100% w/v	598-62-9	209-942-9	Xn
Ether Phosphate	1-10% w/v			Xi; R38-41
Non-Ionic Surfactant	1-10% w/v			Xn; R22 Xi; R38-41
Copper Oxychloride	75-95% w/v	1332-40-7	215-572-9	Xn; R20/22 N; R50/53

4. FIRST AID MEASURES

Skin contact Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.

Ingestion Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. **DO NOT INDUCE VOMITING.**

5. FIRE FIGHTING MEASURES

Extinguishing media Carbon dioxide (CO2)

Fire hazards Burning produces irritating, toxic and obnoxious fumes.

Protective equipment Wear suitable respiratory equipment when necessary.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear: Suitable respiratory equipment.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Brown.
Odour	Mild.
pH	1% solution 7 - 9
Boiling point	100°C
Flash point	n/a°C
Flammability limits	n/a
Explosive	n/a
Oxidising	n/a
Relative density	1.65
Water solubility	miscible in water.
Viscosity	35000
Melting point	-5°C

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Hazardous decomposition products	Carbon oxides. Burning produces irritating, toxic and obnoxious fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	May cause irritation to skin and eyes. MAY CAUSE RESPIRATORY TRACT IRRITATION.
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Copper Oxychloride Rainbow trout LC50/96h = >43.8

Degradability Insoluble in water.**Further information** Very toxic to aquatic organisms.**13. DISPOSAL CONSIDERATIONS****General information** Dispose of in compliance with all local and national regulations.**14. TRANSPORT INFORMATION****ADR/RID**

UN 3082	Packing group III
Class 9	Hazard ID 90
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, (Copper Oxychloride).	

IMDG

UN 3082	Packing group III
Class 9	Marine pollutant .
EmS Code F-A S-F	

IATA

UN 3082	Packing group III
Class 9	Subsidiary risk -
Packing Instruction 914 (Cargo)	Maximum quantity 450 L
Packing Instruction 914 (Passenger)	Maximum quantity 450 L

Further information The product is not classified as dangerous for carriage.**15. REGULATORY INFORMATION****Labelling** The product is classified in accordance with 67/548/EEC.**Symbols** N - Dangerous for the environment**Risk phrases** R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**Safety phrases** S60 - This material and its container must be disposed of as hazardous waste.
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.
S29 - Do not empty into drains.

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16. OTHER INFORMATION

Text of risk phrases in Section 3.

R20/22 - Harmful by inhalation and if swallowed.

R22 - Harmful if swallowed.

R38 - Irritating to skin.

R41 - Risk of serious damage to eyes.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.