



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 57482

PRODUCT NAME: COPPER PLUS**USE:** Defoamed CIP additive with copper inhibition**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** D2B**CHEMICAL FAMILY:** Sequestrants**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Tetrasodium edta	3-7	000064-02-8	LD50 3200 mg/kg	oral/rat
Modified polyalkoxylate	3-7	N/Av	LD50 2330 mg/kg	oral/rat
Benzotriazolethione, sodium salt	1-5	002492-26-4	LD50 5200 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** Natural rubber, Neoprene, Nitrile or PVC**Eye:** Safety glasses**Footwear:** Not required**Respiratory:** If mists are generated, use NIOSH approved mask**Other:** Not applicable**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye contact.**VENTILATION REQUIREMENTS:** General ventilation**INCOMPATIBILITY (Material to Avoid):** Not applicable**SPILL PROCEDURES:** Mop up or soak up with absorbant clay for disposal. Wash spill area with large volumes of water.**WASTE DISPOSAL:** Dispose according to municipal, provincial, and federal regulations.**STORAGE / SHIPPING REQUIREMENT:** Store in a cool dry area in a closed container.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear yellow liquid, mild odour**S.G. / BULK DENSITY(g/cc):** 1.18**pH:** (1% solution) : 10.8**VAPOUR PRESSURE (mmHg):** not applicable**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** not available**BOILING POINT:** 100°C**FREEZING POINT:** not available**PERCENT VOLATILE:** 54%**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** not applicable

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** May cause severe irritation.**SKIN:** May cause skin irritation.**INGESTION:** May cause severe irritation of digestive tract.**INHALATION:** May cause irritation of respiratory system.

LD50 (calculated): 15,549 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: None known	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Not available	
VI - FIRST AID MEASURES	
EYES:	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.
SKIN:	Flush affected area thoroughly with water. If irritation develops, contact a physician.
INGESTION:	Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.
INHALATION:	Remove patient to fresh air.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: No	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: N/Ap
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: Avoid freezing	
INCOMPATIBILITY (Material to Avoid) : not applicable	
HAZARDOUS DECOMPOSITION PRODUCTS: not applicable	
REACTIVITY: not applicable	
IX - MSDS PREPARATION	
SOURCES USED: RTECS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Food Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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