

PRO PACKAGING/OREQ CORPORATION
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ClearView®
MATERIAL SAFETY DATA SHEET

INFORMATION ON THIS FORM IS FURNISHED SOLELY FOR THE PURPOSE OF COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND SHALL NOT BE USED FOR ANY OTHER PURPOSE USE OR DISSEMINATION OF ALL OR ANY PART OF THIS INFORMATION FOR ANY OTHER PURPOSE MAY RESULT IN A VIOLATION OF LAW OR CONSTITUTE GROUNDS FOR LEGAL ACTION

SECTION I

MANUFACTURER'S NAME PRO PACKAGING	EMERGENCY TELEPHONE CHEMTREC 1-800-424-9300
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TRADE NAME AND SYNONYMS ClearView® ALGA STRIKE
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CHEMICAL NAME AND SYNONYMS COPPER BASED ALGAECIDE

CHEMICAL FAMILY ALGAECIDE	FORMULA CuCHNO
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SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	%	(PEL OSHA PPM):
COPPER SULPHATE PENTAHYDRATE	PROPRIETARY	1 MG/M3 OSHA PEL
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	PROPRIETARY	1 MG/MC ACGIH TLV
WATER AND OTHER INERT INGREDIENTS	PROPRIETARY	NONE ESTABLISHED

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT 100°C	SPECIFIC GRAVITY (H20-1) 1.0882
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VAPOR PRESSURE SAME AS WATER	VAPOR DENSITY SAME AS WATER
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SOLUBILITY IN WATER MISCIBLE	MELTING POINT NOT AVAILABLE
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APPEARANCE AND ODOR BLUE LIQUID WITH NO ODOR	EVAPORATION RATE (BUTYL ACETATE=1) NOT ESTABLISHED
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SECTION IV – FIRE AND EXPLOSION HAZARDS

FLASH POINT (METHOD USED) N/A	FLAMMABLE LIMITS N/A
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EXTINGUISHING MEDIA – THIS PRODUCT IS NOT COMBUSTIBLE. USE ANY EXTINGUISHING MEDIA THAT IS SUITABLE FOR THE SURROUNDING FIRE.
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SPECIAL FIRE FIGHTING PROCEDURES – FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IF THERE EXISTS A RISK OF EXPOSURE TO PRODUCTS OF DECOMPOSITION

UNUSUAL FIRE AND EXPLOSION HAZARDS – NONE
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SECTION V – HEALTH HAZARD DATA

TOXICITY – ORAL RAT LD50 500-5,000 MG/KG
DERMAL RAT LD50 2,000-5,000 MG/KG

ROUTES OF ENTRY –INGESTION, INHALATION, EYE CONTACT, SKIN CONTACT.

EMERGENCY OVERVIEW: BLUE-GREEN, ODORLESS LIQUID, NOT FLAMMABLE OR COMBUSTIBLE. CORROSIVE, CAUSES EYE AND SKIN DAMAGE. HARMFUL IF SWALLOWED. **POTENTIAL HEALTH EFFECTS – INGESTION:** SWALLOWING PRODUCT MAY CAUSE ORAL MUCOUS MEMBRANE AND GASTROINTESTINAL IRRITATION WITH METALLIC TASTE, NAUSEA, VOMITING, ABDOMINAL PAIN AND DIARRHEA. SYSTEMIC COPPER POISONING MAY OCCUR WITH SYMPTOMS OF CAPILLARY DAMAGE, HEADACHE, WEAK PULSE, KIDNEY AND LIVER DAMAGE, NERVOUS SYSTEM EFFECTS, BLOOD EFFECTS, PARALYSIS AND COMA. DEATH MAY OCCUR FROM SHOCK OR RENAL FAILURE. **INHALATION:** MISTS MAY CAUSE IRRITATION TO THE EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY SYSTEM. **EYE:** MAY CAUSE SEVERE EYE IRRITATION WITH POSSIBLE BURNS AND CORNEAL DAMAGE. **SKIN:** MAY CAUSE SEVERE SKIN IRRITATION WITH REDNESS, ITCHING AND SWELLING. **CHRONIC EFFECTS:** REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE DERMATITIS AND/OR SKIN SENSITIZATION AND DISCOLORATION. CHRONIC EXPOSURE TO COPPER SALTS MAY CAUSE BLOOD AND LIVER DAMAGE. **CARCINOGENICITY:** NONE OF THE COMPONENTS OF THIS PRODUCT ARE LISTED AS CARCINOGENS OR SUSPECTED CARCINOGENS BY IARC, NTP, OR OSHA. **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** PRE-EXISTING SKIN CONDITIONS SUCH AS DERMATITIS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

EMERGENCY AND FIRST AID PROCEDURES – INGESTION: IMMEDIATELY CONTACT YOUR POISON CONTROL CENTER OR EMERGENCY DEPARTMENT. RINSE MOUTH WITH WATER AND GIVE LARGE QUANTITIES OF WATER TO DRINK. DO NOT GIVE ANYTHING BY MOUTH IF VICTIM IS CONVULSING OR DROWSY. **INHALATION:** REMOVE TO FRESH AIR. IF NOT BREATHING USE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, HAVE QUALIFIED PERSONNEL ADMINISTER OXYGEN. GET IMMEDIATE MEDICAL ATTENTION. **EYE:** FIRST CHECK VICTIM FOR CONTACT LENSES AND REMOVE IF PRESENT. FLUSH VICTIM'S EYES WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. **SKIN:** RINSE THE SKIN WITH WATER FOR AT LEAST 15 MINUTES WHILE REMOVING ALL CONTAMINATED CLOTHING. IF RASH OR IRRITATION DEVELOPS, GET MEDICAL ATTENTION. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE. **NOTE TO PHYSICIAN:** PROBABLE MUCOUSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE.

SECTION VI – REACTIVITY DATA

STABILITY
STABLE

CONDITIONS TO AVOID
HEATING

INCOMPATIBILITY
STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS – WHEN HEATED TO DECOMPOSITION MAY EMIT OXIDES OF COPPER, SULFUR, CARBON, NITROGEN, AND CHLORINE COMPOUNDS.

HAZARDOUS POLYMERIZATION
WILL NOT OCCUR

SECTION VII – PRECAUTIONS FOR SAFE HANDLING

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED – AVOID INHALATION OF VAPORS OR MIST. INCREASE VENTILATION. SLIPPERY WHEN SPILLED. CLEAN UP IMMEDIATELY. WEAR PROTECTIVE EQUIPMENT TO PREVENT SKIN AND EYE CONTAMINATION.

WASTE DISPOSAL METHOD
IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION
UNDER NORMAL CONDITIONS, NONE REQUIRED

VENTILATION

LOCAL EXHAUST – USE TO MINIMIZE VAPORS
MECHANICAL – USE FOR GENERAL AREA CONTROL

SPECIAL - NONE
OTHER - NONE

PROTECTIVE GLOVES
ELBOW LENGTH PVC GLOVES

EYE PROTECTION
FACE SHIELD

OTHER PROTECTIVE EQUIPMENT
WEAR OVERALLS

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING – TRANSPORT OR STORE IN A COOL, DRY AREA AWAY FROM DIRECT HEAT. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

SECTION X – ECOLOGICAL INFORMATION

ECOLOGICAL -
NO SPECIFIC DATA AVAILABLE. THIS PRODUCT IS TOXIC TO FISH AND OTHER AQUATIC ORGANISMS.

SECTION XI- TRANSPORT INFORMATION

US DOT TRANSPORTATION/HAZARDOUS MATERIALS DESCRIPTION: – THIS PRODUCT CONTAINS A SEVERE MARINE POLLUTANT AS DEFINED IN 49CFR173.322. MARINE POLLUTANT PROVISIONS DO NOT APPLY TO NON-BULK PACKAGINGS TRANSPORTED BY MOTOR VEHICLES, RAIL CARS OR AIRCRAFT (UNLESS TRANSPORTED ABOARD VESSELS. FOR BULK TRANSPORTATION AND TRANSPORT ON VESSELS THE SHIPPING DESCRIPTION IS ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, NO.S. (COPPER SULFATE PENTAHYDRATE), 9, UN3082, PG III MARINE POLLUTANT.

SECTION XII- REGULATORY INFORMATION

FEDERAL REGULATIONS: – OSHA; HAZARDOUS BY DEFINITION OF HAZARD COMMUNICATION STANDARD (29 CFT 1910.1200). CATEGORY: CORROSIVE, TOXIC, TARGET ORGAN EFFECTS. **CERCLA 103 REPORTABLE QUANTITY:** THIS REPORTABLE QUANTITY OF THIS PRODUCT, BASED ON THE RQ FOR CUPRIC SULFATE OF 10 LBS, IS 89 LBS. MANY STATES HAVE MORE STRINGENT REPORTING REQUIREMENTS. REPORT SPILLS AND OTHER RELEASES AS REQUIRED UNDER FEDERAL, STATE AND LOCAL REGULATIONS.

SARA TITLE III.

HAZARD CATEGORY FOR SECTION 311/312: ACUTE HEALTH, CHRONIC HEALTH. **SECTION 303 TOXIC CHEMICALS:** THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO SARA TITLE III SECTION 313 REPORTING REQUIREMENTS: CUPRIC SULFATE (COPPER COMPOUND) **SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (TPQ):** NONE

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