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**SECTION I**

|   |   |
|---|---|
| <b>MANUFACTURER'S NAME</b><br>PRO PACKAGING | <b>EMERGENCY TELEPHONE</b><br>CHEMTREC 1-800-424-9300 |
|---|---|

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|--|
| <b>TRADE NAME AND SYNONYMS</b><br>ClearView® ALGA STRIKE |
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| <b>CHEMICAL NAME AND SYNONYMS</b><br>COPPER BASED ALGAECIDE |
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|-------------------------------------|--------------------------|
| <b>CHEMICAL FAMILY</b><br>ALGAECIDE | <b>FORMULA</b><br>CuCHNO |
|-------------------------------------|--------------------------|

**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**

|                               |   |
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| <b>BOILING POINT</b><br>100°C | <b>SPECIFIC GRAVITY (H20-1)</b><br>1.0882 |
|-------------------------------|---|

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| <b>VAPOR PRESSURE</b><br>SAME AS WATER | <b>VAPOR DENSITY</b><br>SAME AS WATER |
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| <b>SOLUBILITY IN WATER</b><br>MISCIBLE | <b>MELTING POINT</b><br>NOT AVAILABLE |
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| <b>APPEARANCE AND ODOR</b><br>BLUE LIQUID WITH NO ODOR | <b>EVAPORATION RATE</b><br>(BUTYL ACETATE=1) NOT ESTABLISHED |
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**SECTION IV – FIRE AND EXPLOSION HAZARDS**

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| <b>FLASH POINT (METHOD USED)</b><br>N/A | <b>FLAMMABLE LIMITS</b><br>N/A |
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| <b>EXTINGUISHING MEDIA</b> – THIS PRODUCT IS NOT COMBUSTIBLE. USE ANY EXTINGUISHING MEDIA THAT IS SUITABLE FOR THE SURROUNDING FIRE. |
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| <b>SPECIAL FIRE FIGHTING PROCEDURES</b> – FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IF THERE EXISTS A RISK OF EXPOSURE TO PRODUCTS OF DECOMPOSITION |
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| <b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> – NONE |
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**SECTION V – HEALTH HAZARD DATA**

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| <b>TOXICITY</b> – ORAL RAT LD50 500-5,000 MG/KG<br>DERMAL RAT LD50 2,000-5,000 MG/KG |
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**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

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|----------------------------|---------------------------------------|
| <b>STABILITY</b><br>STABLE | <b>CONDITIONS TO AVOID</b><br>HEATING |
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**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

|                    |  |                       |
|--------------------|--|-----------------------|
| <b>VENTILATION</b> | <b>LOCAL EXHAUST</b> – USE TO MINIMIZE VAPORS    | <b>SPECIAL</b> - NONE |
|                    | <b>MECHANICAL</b> – USE FOR GENERAL AREA CONTROL | <b>OTHER</b> - NONE   |

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|---|--------------------------------------|
| <b>PROTECTIVE GLOVES</b><br>ELBOW LENGTH PVC GLOVES | <b>EYE PROTECTION</b><br>FACE SHIELD |
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**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

Deleted: ¶

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