239310

FLAMMABLE LIMITS: NEGLIGIBLE

MATERIAL SAFETY DATA SHEET

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SECTION 1 PRODUCT INFORMATION

BRAND NAME: PROLINE DATE WRITTEN: 1-26-2001

PRODUCT NAME: FRESHWATER CONCENTRATE

CHEMICAL NAME: MIXTURE CONTAINING NITROBACTERACE BACTERIA

CAS NUMBER: NONE - MIXTURE

NFPA (704) RATING: HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 SPECIAL 0

SECTION II HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS: OTHER LIMITS

NAME CAS NUMBER OSHA PEL ACGIH TLV OTHER % (OPTIONAL)

(NONE) NON PATHOGENIC, NON TOXIC NITRIFYING BACTERIA

SECTION III PHYSICAL/CHEMICAL CHARACTERISTIC

SPECIFIC GRAVITY (WATER = 1): 1.008 PH: 6.7 - 7.4

SOLUBILITY IN WATER: DISPERSIBLE VAPOR DENSITY: N/A

BOILING POINT: 212 F BIODEGRADABILITY: 100 %

FREEZE POINT: 31 F

EVAPORATION RATE: SLOWER THAN BUTYL ACETATE

APPEARANCE AND ODOR: ROSE TO BROWNISH RED MUSTY, STAGNANT WATER ODOR.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NOT FLAMMABLE

FIRE HAZARD

EXTINGUISHING MEDIA: ALL STANDARD FIRE FIGHTING MEDIA.

SPECIAL FIRE FIGHTING PROCEDURES: NONE KNOWN UNUSUAL FIRE AND EXPLOSION HAZARD: NONE KNOWN

SECTION V REACTIVITY DATA

CONDITIONS TO AVOID: HEAT (above 110 F) COLD (beloe 32 F) STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): Bactericides, oxidizers, chlorine.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE KNOWN

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE KNOWN

PRODUCT NAME: PROLINE FRESHWATER CONCENTRATE

SECTION VI HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? NO SKIN? YES INGESTION? YES EYES? YES

HEALTH HAZARDS (ACUTE AND CHRONIC): NONE KNOWN.

CARCINOGENICITY: NTP? N/A IARC MONOGRAPHS? N/A OSHA REGULATED? N/A

SIGNS AND SYMPTOMS OF EXPOSURE: INGESTION: MAY CAUSE DARRHEA

SKIN: MAY CAUSE IRRITATION.

EYES: WILL CAUSE IRRITATION UPON DIRECT CONTACT.

SPECIAL: NONE KNOWN

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN.

EMERGENCY AND FIRST AID PROCEDURES:

WASH SKIN WITH SOAP AND WATER, REMOVE CONTAMINATED CLOTHING AND WASH.

FLUSH EYES WITH WATER FOR 15 MINUTES.

IF SWALLOWED , DRINK WATER TO DILUTE. DO NOT GIVE FLUIDS IF VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: FLUSH AREA WITH WATER; PRESENTS NO HEALTH HAZARD.

WASTE DISPOSAL METHOD: SMALL QUANTITIES MAY BE DILUTED WITH LARGE QUANTITIES OF WATER AND FLUSHED TO SANITARY SEWER. LARGE QUANTITIES: SOAK IN ABSORBENT MATERIAL AND DISPOSE IN LOCAL LAND FILL PER LOCAL, STATE, AND FEDERAL REGULATIONS. PRESENTS NO HEALTH HAZARD.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: PROTECT FROM HEAT (above 110 F) AND COLD (32 F)..

OTHER PRECAUTIONS: DO NOT STORE IN DIRECT SUNLIGHT.

SECTION VIII CONTROL MEASURES

RESPIRATORY PRECAUTION (SPECIFY TYPE): NONE KNOWN

VENTILATION: LOCAL EXHAUST: NOT REQUIRED SPECIAL: NONE KNOWN

MECHANICAL: NOT REQUIRED

PROTECTIVE GLOVES: NOT REQUIRED

EYE PROTECTION: NOT REQUIRED BUT SAFETY GLASSES RECOMMENDED IF WORKING IN AREA WHERE

SPLASHING COULD OCCUR.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE KNOWN

WORK/HYGIENIC PRACTICES: WASH HANDS WITH SOAP AND WATER AFTER USE

ENVIRONMENTAL EVALUATION

EPA SUPERFUND (SARA TITLE III) - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION : NOT HAZARDOUS

EPA CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY: NOT LISTED

EPA SARA TITLE III, CFI 355 (EXTREMELY HAZARDOUS SUBSTANCES): NOT LISTED

EPA SARA TITLE III, 40 CR. 372 (LIST OF TOXIC CHEMICALS); NOT LISTED

CHEMICALS LISTED ON FOLLOWING CHEMICAL INVENTORIES:

TOSCO: NOT LISTED

EPA - RCA (HAZARDOUS WASTE), 40 CFI 261: NOT LISTED

CALIFORNIA PROPOSITION 65: N/A

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