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# MATERIAL SAFETY DATA SHEET

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## SECTION I PRODUCT INFORMATION

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BRAND NAME: PROLINE DATE WRITTEN: 1-29-2001  
PRODUCT NAME: SALTWATER CONCENTRATE  
CHEMICAL NAME: MIXTURE CONTAINING NITROBACTERACE BACTERIA  
CAS NUMBER: NONE - MIXTURE  
NFPA (704) RATING: HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 SPECIAL 0

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## SECTION II HAZARDOUS INGREDIENTS/SARA III INFORMATION

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**HAZARDOUS COMPONENTS:**

NAME	CAS NUMBER	OTHER LIMITS			OTHER % (OPTIONAL)
		OSHA PEL	ACGIH TLV		
<b>(NONE) NON PATHOGENIC, NON TOXIC NITRIFYING BACTERIA</b>					

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## SECTION III PHYSICAL/CHEMICAL CHARACTERISTIC

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SPECIFIC GRAVITY (WATER = 1): 1.012 PH: 8.1 - 8.9  
SOLUBILITY IN WATER: DISPERSABLE VAPOR DENSITY: N/A  
BOILING POINT: 212 F BIODEGRADABILITY: 100 %  
FREEZE POINT: 30 F  
EVAPORATION RATE: SLOWER THAN BUTYL ACETATE  
APPEARANCE AND ODOR : ROSE TO BROWNISH RED MUSTY, STAGNANT WATER ODOR.

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## SECTION IV FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (METHOD USED): NOT FLAMMABLE FLAMMABLE LIMITS: NEGLIGIBLE  
FIRE HAZARD  
EXTINGUISHING MEDIA: ALL STANDARD FIRE FIGHTING MEDIA.  
SPECIAL FIRE FIGHTING PROCEDURES: NONE KNOWN  
UNUSUAL FIRE AND EXPLOSION HAZARD: NONE KNOWN

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## SECTION V REACTIVITY DATA

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STABILITY: STABLE CONDITIONS TO AVOID: HEAT (above 110 F) COLD (below 32 F)  
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 SALTWATER CONCENTRATE**

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**SECTION VI HEALTH HAZARD DATA**

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**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 TO OPEN SORES.**

**EYES:      WILL CAUSE IRRITATION UPON DIRECT CONTACT.**

**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.

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**SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE**

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**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.

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**SECTION VIII CONTROL MEASURES**

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**RESPIRATORY PRECAUTION (SPECIFY TYPE): NONE KNOWN**

**VENTILATION:      LOCAL EXHAUST: NOT REQUIRED**

**SPECIAL: NONE KNOWN**

**MECHANICAL: NOT REQUIRED**

**SPECIAL: NONE KNOWN**

**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

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**ENVIRONMENTAL EVALUATION**

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**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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