

Material Safety Data Sheet

Hazard Rating:	NFPA	CODE TRANSLATION
Health:	1	0 = Minimal Hazard
Flammability:	0	1 = Slight Hazard
Reactivity:	0	2 = Moderate Hazard
Special:		3 = Severe Hazard
		4 = Extreme Hazard

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SECTION I: IDENTIFICATION

Effective Date: 04/10/01
Name and Address:

Revised: DECEMBER 7, 2006
Phone:
Emergency Phone: CHEMTREC (800) 424-9300
Outside USA: CHEMTREC COLLECT (703) 527-3887

Chemical Name: N.A. (Not Applicable)
Synonyms: N.A.
D.O.T. Shipping Name: NONE
D.O.T. Hazard Class: NOT REGULATED

Formula: N.A.
Chemical Family: BACTERIA CULTURES
ID No.: NONE

SECTION II: INGREDIENTS

A. Hazardous Ingredients	CAS NO.	%	TLV
NONE KNOWN			
B. Other Ingredients	CAS NO.	%*	TLV
INORGANIC NITRATE SALT	7631-99-4	10-15	
VIABLE BACTERIAL CULTURES (LARGELY WATER)	N.A. 7732-18-5	75-85	NA NA
DIAMMONIUM PHOSPHATE	7783-28-0	1-3	
ETHOXYLATED ALKYLPHENOL	9016-45-9	1-3	

SECTION III: PHYSICAL PROPERTIES

Boiling Point: >212°F (100°C)
Percent Volatile (volume): NOT DETERMINED
Vapor Pressure (mmHg @ 68°F): EQUIV. TO WATER
Vapor Density (air=1): EQUIV. TO WATER
Appearance and Odor: BLUE OPAQUE LIQUID WITH SLIGHT HERBAL ODOR.

Specific Gravity: ≈1.0
pH(solution): 6.5-8.5
Solubility in Water: 99%

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): NOT DETERMINED
Flammable Limits in Air: NOT DETERMINED

Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL.

Special Fire Fighting Procedures: NONE

Unusual Fire or Explosion Hazards: NONE KNOWN

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SECTION V: HEALTH HAZARD DATA

- A. TLV and Source: NO TLV ASSIGNED TO THIS MIXTURE. CONTROL OF EXPOSURE TO BELOW THE TLV OF THE INGREDIENTS (SEE SECTION 2) WILL BE SUFFICIENT. MINIMIZE EXPOSURE IN ACCORDANCE WITH GOOD HYGIENE PRACTICE. TO MAINTAIN SHELF LIFE, AVOID PROLONGED EXPOSURE TO HIGH OR LOW TEMPERATURES AND HUMIDITY. AVOID TEMP ABOVE 110°F AND KEEP FROM FREEZING.
- B. Effects of a Single Overexposure by:
1. Ingestion: DO NOT INGEST. INGESTION MAY RESULT IN ABDOMINAL PAIN, NAUSEA, AND VOMITING.
 2. Inhalation: NONE KNOWN.
 3. Skin Contact: SLIGHT REDNESS ON HANDS AND FOREARMS IF INDIVIDUAL HAS A HISTORY OF DERMAL ALLERGIC REACTION. DERMATITIS AND SKIN SENSITIZATION CAN DEVELOP AFTER REPEATED AND/OR PROLONGED CONTACT WITH HUMAN SKIN. SYSTEMICALLY TOXIC CONCENTRATIONS WILL PROBABLY NOT BE ABSORBED THROUGH SKIN IN MAN.
 4. Eye Contact: THIS MATERIAL MAY CAUSE EYE IRRITATION. ORGANISMS USED ARE NON-PATHOGENIC BUT CAN CAUSE INFECTION WHEN IN CONTACT WITH OPEN WOUNDS. THESE ORGANISMS ARE SUSCEPTIBLE TO MANY COMMONLY-USED ANTIBIOTICS.
- C. Effects of Repeated Overexposures: NONE KNOWN.
- D. Emergency and First Aid Procedures for:
1. Ingestion: DRINK WATER OR MILK TO DILUTE. INDUCE VOMITING ONLY IF ADVISED BY PHYSICIAN OR POISON CONTROL CENTER. CALL POISON CONTROL CENTER.
 2. Inhalation: N.A.
 3. Skin Contact: REMOVE CONTAMINATED CLOTHING AND FOOTWEAR. WASH MATERIAL OFF THE SKIN WITH PLENTY OF SOAP AND WATER. WASH CLOTHING AND FOOTWEAR BEFORE REUSE.
 4. Eye Contact: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND HAVE EYES EXAMINED AND TREATED BY MEDICAL PERSONNEL.
- E. Other Health Information: NONE KNOWN

SECTION VI: PERSONNEL PROTECTION DATA

Respiratory Protection: NONE REQUIRED FOR RECOMMENDED USE. AVOID CREATING AEROSOLS IN POORLY VENTILATED AREAS.

Ventilation: NORMAL ROOM VENTILATION.

Protective Gloves: CHEMICAL RESISTANT GLOVES ARE ACCEPTABLE.

Eye Protection: SAFETY GLASSES, OR FACE SHIELD.

Other Protective Equipment: AS DETERMINED OR RECOMMENDED BY FEDERAL, STATE AND LOCAL REGULATIONS.

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SECTION VII: REACTIVITY DATA

- A. Product Stability: STABLE UNDER NORMAL CONDITIONS
Conditions to Avoid: NONE KNOWN.
- B. Incompatibility: STRONG ACIDS OR ALKALI COMPOUNDS MAY INACTIVATE BIOLOGICAL CULTURES.
- C. Hazardous Combustion or Decomposition Products: NONE
- D. Hazardous Polymerization: WILL NOT OCCUR
Conditions to Avoid: NONE KNOWN

SECTION VIII: ENVIRONMENTAL DATA

- A. Spill or Leak Procedures: WHERE POSSIBLE, FLUSH DOWN DRAIN TO WASTE TREATMENT SEWER; OTHERWISE ON SMALL SPILLS, USE CHEMICAL ADSORBANT AND SWEEP UP. FOR LARGE SPILLS, CONTAIN AND COLLECT.
- B. Waste Disposal: DISPOSAL OF THIS PRODUCT OR ITS RESIDUES MUST BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.
- C. Other Environmental Data: PRECAUTIONS SHOULD BE TAKEN TO PREVENT DISCHARGE INTO STREAMS, NATURAL WATERWAYS OR SEWERS. HOWEVER, NORMAL BIOLOGICAL TREATMENT METHODS USED IN SECONDARY TREATMENT PLANTS WILL DEGRADE THE MATERIAL PRIOR TO ITS ENTRANCE INTO THE ENVIRONMENT.

SECTION IX: SPECIAL PRECAUTIONS

- A. Handling and Storage: STORE AT ROOM TEMPERATURE. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. STORE AWAY FROM OPEN FLAME, SPARKS AND EXCESSIVE HEAT. IF FROZE, WARM TO ROOM TEMPERATURE AND MIX THOROUGHLY.
- B. Other Precautions: THIS PRODUCT HAS BEEN DESIGNED FOR USE IN BOTH INDUSTRIAL AND MUNICIPAL WASTEWATER AND EFFLUENT TREATMENT SYSTEMS AND SELECTED INDUSTRIAL PROCESS WATERS. IT SHOULD BE USED ONLY IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE TECHNICAL REPRESENTATIVE SERVICING THE FACILITY.

The data contained in this Material Safety Data Sheet has been prepared based upon an evaluation of the ingredients contained in the product, their concentration in the product and potential interactions. The information is offered in good faith and is believed to be accurate. It is furnished to the customer who is urged to study it carefully to become aware of hazards, if any, in the storage, handling, use and disposal of the product; and to insure his employees are properly informed and advised of all safety precautions required. The information is furnished to comply with the "Occupational Safety and Health Act" (OSHA) hazard communication regulation [Rule 29 CFR 1910.1220 (g) (2)]. Use or dissemination of all or part of this information for any other purpose is not permitted.