

**MSDS - Material Safety Data Sheet****Product Name: LINASE****MSDS No.: 429****I. Basic Information:**

**Manufacturer:** U.N.X. INCORPORATED  
**Address:** 707 ARLINGTON BLVD.  
**City, ST Zip:** GREENVILLE, NC 27858  
**Emergency Contact:** CHEMTEL  
**Emergency Telephone Number:** 800-255-3924  
**Contact:** AMENDT; WILSON  
**Information Telephone Number:** 252-756-8616



**Last Update:** 03/27/2006      **Expiration Date:**

**Chemical State:**     Liquid       Gas       Solid  
**Chemical Type:**     Pure       Mixture

2	Health
0	Flammability
1	Reactivity
F	Pers. Protection

**II. Ingredients:**

Trade Secret      (N/D = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
TradeSecret	PSRN57948000-5001P	0-10									
TradeSecret	PSRN57948000-5006P	40-50									
TradeSecret	PSRN57948000-5010P	10-20									
6834920	Sodium metasilicate	0-10						2mg/m3	2mg/m3		
7758294	Sodium tripolyphosphate	10-20						15mg/m3	10mg/m3		

**III. Hazardous Identification:****Hazard Category:**

Acute       Chronic       Fire       Pressure       Reactive

**Hazardous Identification Information:****IV. First Aid Measures:****Route(s) of Entry:**

SKIN, EYES, INHALATION

**Health Hazards (Acute and Chronic):**

INHALATION, CAN IRRITATE NOSE, THROAT, AND LUNGS.  
 SKIN CONTACT, CAN IRRITATE OR CHAP SKIN.  
 INGESTION, WILL CAUSE GASTRIC DISTRESS, VOMITING AND DIARRHEA.

**Signs and Symptoms:**

PRODUCT, EITHER DRY OR IN SOLUTION, IS AN IRRITANT TO TISSUE.  
 CONTACT WITH EYES CAN CAUSE DAMAGE.

**Medical Conditions Generally Aggravated by Exposure:**

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**Emergency and First Aid Procedures:**

FOR SKIN, FLUSH THOROUGHLY WITH WATER UNTIL "SLIPPERY" FEELING IS GONE.  
FOR EYES, FLUSH WITH WARM WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN.  
IF INGESTED, DRINK LARGE VOLUMES OF WATER. INDUCE VOMITING. CALL PHYSICIAN.

**Other Health Warnings:**

**V. Fire Fighting Measures:**

**Flash Point:** N/A

**Lower Explosive Limit:** N/A

**Upper Explosive Limit:** N/A

**F.P. Method:** N/A

**Fire Extinguishing Media:** FLOOD WITH WATER

**Special Fire Fighting Procedures:**

USE NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS WHERE PRODUCT IS INVOLVED IN FIRE.

**Unusual Fire and Explosion:**

MAY REACT WITH ORGANIC MATERIAL IN PRESENCE OF MOISTURE TO PRODUCE HEAT AND COMBUSTION. AVOID CONTACT WITH STRONG ACIDS.

**VI. Accidental Release Measures:**

**Steps to be Taken in Case Material is Released or Spilled:**

FOR A SMALL SPILL: IMMEDIATELY HOSE DOWN WITH COLD WATER AND DISPOSE TO DRAIN.  
FOR A LARGE SPILL: COLLECT AND ADD SLOWLY TO A LARGE VOLUME OF WATER WITH CONSTANT STIRRING. THEN SLOWLY NEUTRALIZE TO A pH OF 7 WITH MURATIC OR PHOSPHORIC ACID SOLUTIONS. DISPOSE OF DOWN DRAIN AFTER APPROVAL OF APPROPRIATE AUTHORITIES.  
CLEAN AND NEUTRALIZE ALL AREAS OF CONTACT.

**VII. Handling and Storage:**

**Precautions to be Taken:**

AVOID EXCESSIVE HEAT AND AVOID CONTACT WITH ACIDS AND ORGANIC COMBUSTIBLE AGENTS. STORE IN A COOL, WELL VENTILATED AREA. DO NOT STORE NEAR HAZARDOUS MATERIALS.

**Other Precautions:**

DO NOT MIX WITH DRY SOUR IN WASHWHEEL SUPPLY DISPENSER.

**VIII. Exposure Controls/Personal Protection:**

**Ventilation Requirements:**

AVOID BREATHING DUST. IF EXPOSURE LIKELY, USE FILTER OR DUST TYPE RESPIRATOR.  
MECHANICAL VENTILATION IS ACCEPTABLE.

**Personal Protective Equipment:**

RUBBER GLOVES SHOULD BE WORN.  
SAFETY GOGGLES SHOULD BE WORN.  
OTHER PROTECTIVE MEASURES: HAVE AN EYE BATH AND SAFETY SHOWER CLOSE BY. IF POTENTIAL FOR SKIN CONTACT, HAVE AN ACID HAND WASH NEAR BY (ie. VINEGAR SOLUTION.).  
WORK HYGIENIC PRACTICES: WASH HANDS, CHANGE OUT OF CLOTHES AS SOON AS POSSIBLE. WASH CLOTHES. SHOWER OR BATHE AS SOON AS POSSIBLE.

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## IX. Physical and Chemical Properties:

Boiling Point: N/A

Melting Point: 1089°C

Evaporation Rate (Butyl Acetate = 1): N/A

Vapor Pressure (mm Hg.): N/A

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): N/A

Solubility In Water: EXCELLENT

Appearance and Odor: WHITE GRANULAR POWDER, NO ODOR

Other Information: THIS PRODUCT CONTAINS PHOSPHATES  
MILD ENZYME DETERGENT

## X. Stability and Reactivity:

Stability:

VERY STABLE

Incompatibility (Materials to Avoid):

OXIDIZABLE OR COMBUSTIBLE ORGANIC MATERIALS, STRONG OXIDIZERS, NITROGEN COMPOUNDS, ACIDS, ALKALI.

Decomposition/By Products:

DECOMPOSES TO GIVE OFF HEAT AND OXYGEN.

Hazardous Polymerization:

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

## XI. Toxicological Information:

CONTACT U.N.X. INCORPORATED

## XII. Ecological Information:

CONTACT U.N.X. INCORPORATED

## XIII. Disposal Considerations:

FOR A SMALL SPILL: IMMEDIATELY HOSE DOWN WITH COLD WATER AND DISPOSE TO DRAIN.  
FOR A LARGE SPILL: COLLECT AND ADD SLOWLY TO A LARGE VOLUME OF WATER WITH CONSTANT STIRRING. THEN SLOWLY NEUTRALIZE TO A pH OF 7 WITH MURATIC OR PHOSPHORIC ACID SOLUTIONS. DISPOSE OF DOWN DRAIN AFTER APPROVAL OF APPROPRIATE AUTHORITIES.  
CLEAN AND NEUTRALIZE ALL AREAS OF CONTACT.

## XIV. Transport Information:

NOT DOT REGULATED

## XV. Regulatory Information:

UNLESS OTHERWISE NOTED, NO COMPONENTS ARE SARA TITLE 3 SECTION 313 40 CFR LISTED MATERIALS.  
THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.  
THIS PRODUCT IS NOT MADE WITH VOC'S THAT COULD CAUSE DAMAGE TO THE OZONE LAYER.

## XVI. Other Information:

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