

# MSDS - Material Safety Data Sheet

## I. Basic Information:

**Manufacturer:** U.N.X. INCORPORATED  
**Address:** 707 ARLINGTON BLVD.  
**City, ST Zip:** GREENVILLE, NC 27858  
**Country:** USA

**Contact:** AMENDT; WILSON  
**Information Telephone Number:** 252-756-8616  
**Emergency Contact:** CHEMTEL  
**Emergency Telephone Number:** 800-255-3924  
**Emergency Restrictions:**

**Product Name:** MEGAZYME  
**MSDS No.:** 994

**Issue Date:** 04/29/2008  
**Supersedes Date:** 09/05/2007

## II. Hazards Identification:

### EMERGENCY OVERVIEW

INHALATION, CAN IRRITATE NOSE, THROAT, AND LUNGS.  
 SKIN CONTACT, CAN CAUSE TISSUE DESTRUCTION.  
 INGESTION, EXTREMELY HIGH TOXICITY. WILL CAUSE BURNS TO MOUTH AND THROAT.

### OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.

### Potential Health Effects

#### **Route(s) of Entry:**

SKIN, EYES, INHALATION

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

PRODUCT, EITHER DRY OR IN SOLUTION, IS DESTRUCTIVE TO TISSUE. SEVERE BURNS CAN BE PRODUCED. CONTACT WITH EYES CAN PRODUCE PERMANENT DAMAGE.

#### **Signs and Symptoms:**

INHALATION, CAN IRRITATE NOSE, THROAT, AND LUNGS.  
 SKIN CONTACT, CAN CAUSE TISSUE DESTRUCTION.  
 INGESTION, EXTREMELY HIGH TOXICITY. WILL CAUSE BURNS TO MOUTH AND THROAT.

#### **Medical Conditions Generally Aggravated by Exposure:**

NONE KNOWN

#### **Other Health Warnings:**

NONE

### Potential Environmental Effects

NONE KNOWN

## III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
PSRN57948000-5006P	TradeSecret	10-20	
PSRN57948000-5010P	TradeSecret	10-20	
PSRN57948000-5046P	TradeSecret	5-15	
Sodium metasilicate	6834920	25-35	
Sodium tripolyphosphate	7758294	0-10	

## IV. First Aid Measures:

### 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 FOLLOWED BY MILD ACIDS SUCH AS 5% ACETIC ACID, ORANGE JUICE, OR ANY CITRUS JUICE. DO NOT INDUCE VOMITING. CALL PHYSICIAN.

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**Note to Physicians:**

EYES, FLUSH WITH WATER FOR AT LEAST 15 MINUTES.  
DO NOT INDUCE VOMITING.

**V. Fire Fighting Measures:**
**Suitable Extinguishing Media:**

DRY CHEMICAL, WATERFOG, CO2, FOAM

**Unsuitable Extinguishing Media:**

NONE KNOWN

**Products of Combustion:**

HYDROGEN

**Protection of Firefighters:**

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

**VI. Accidental Release Measures:**
**Personal Precautions:**

RUBBER GLOVES SHOULD BE WORN.  
SAFETY GOGGLES SHOULD BE WORN.

**Environmental Precautions:**

NONE KNOWN

**Methods for Containment:**

DIKE; APPROVED PLASTIC CONTAINERS

**Methods for Cleanup:**

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.

**Other Information:**

Not Available

**VII. Handling and Storage:**
**Handling Precautions:**

KEEP CONTAINER CLOSED.

**Storage Precautions:**

STORE IN A DRY PLACE. DO NOT STORE WITH STRONG ACIDS.

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

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
PSRN57948000-5006P	Not Available	Not Available	Not Available
Sodium metasilicate	2mg/m3	2mg/m3	Not Available
Sodium tripolyphosphate	15mg/m3	10mg/m3	Not Available
PSRN57948000-5046P	15mg/m3	10mg/m3	Not Available
PSRN57948000-5010P	Not Available	Not Available	Not Available

**Engineering Controls:**

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

**Personal Protective Equipment:**

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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.

## IX. Physical and Chemical Properties:

<b>Boiling Point:</b> N/A	<b>Melting Point:</b> 320°C
<b>Boiling Range:</b> N/A	<b>Freezing Point:</b> N/A
<b>Solubility In Water:</b> EXCELLENT	<b>Evaporation Rate (Butyl Acetate = 1):</b> N/A
<b>Flash Point:</b> N/A	<b>Flash Point Method:</b> N/A
<b>Odor Threshold:</b> NO DATA	<b>Appearance and Odor:</b> WHITE GRANULAR POWDER, LEMON FRAGRANCE
<b>Vapor Density (AIR = 1):</b> N/A	<b>Vapor Pressure (mm Hg.):</b> N/A
<b>pH Range:</b> N/A	<b>Partition Coefficient:</b> NO DATA
<b>Decomposition Temp:</b> NO DATA	<b>Auto-Ignition Temp:</b> NO DATA
<b>Lower Explosive Limit:</b> N/A	<b>Upper Explosive Limit:</b> N/A
<b>Specific Gravity (H2O = 1):</b> Not Available	
<b>Other Information:</b> THIS PRODUCT CONTAINS PHOSPHATES.	

## X. Stability and Reactivity:

### Stability:

VERY STABLE

### Conditions to Avoid:

AVOID HIGH MOISTURE.

### Incompatible Materials:

EXCESS MOISTURE. OXIDIZABLE OR COMBUSTIBLE ORGANIC MATERIALS, STRONG OXIDIZERS.

### Hazardous Decomposition Products:

EXPLOSIVE HYDROGEN GAS CAN BE RELEASED.

### Possibility of Hazardous Reactions:

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:

**Shipping Name:** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S., (SODIUM METASILICATE, ANHYDROUS)

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DOT Hazard Class: 8

DOT Subsidiary Hazard Class: Not Available

UN/NA#: UN 3262

Packing Group: II

**Transportation Information:**

UN 3262

DOT HAZARD CLASS: 8

LABEL: CORROSIVE

PG: II

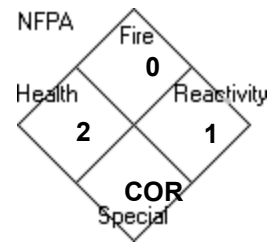
PROPER SHIPPING NAME: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S., (SODIUM METASILICATE, ANHYDROUS)

**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:**

**Chemical State:**  Liquid  Gas  Solid  
**Chemical Type:**  Pure  Mixture  
**Hazard Category:**  Acute  Chronic  Fire  Pressure  Reactive

**Additional Manufacturer Warnings:**

Not Available

<b>2</b>	Health
<b>0</b>	Flammability
<b>1</b>	Physical Hazard
<b>C</b>	Pers. Protection

**Additional Product Information:**

ENZYME DETERGENT