

# 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:** BIO-POWER  
**MSDS No.:** 743

**Issue Date:** 04/01/2008  
**Supersedes Date:** 12/17/2007

## II. Hazards Identification:

### EMERGENCY OVERVIEW

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

### 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 CAN IRRITATE SKIN. EYE CONTACT CAN CAUSE BURNING AND EXTREME IRRITATION.

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

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

#### **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
Dipropylene glycol methyl ether	34590948	0-5	
Isopropanol	67630	0-5	
PSRN57948000-5001P	TradeSecret	10-20	
PSRN57948000-5003P	TradeSecret	0-5	
Water	7732185	65-75	

## IV. First Aid Measures:

### Emergency and First Aid Procedures:

FOR SKIN, FLUSH THOROUGHLY WITH SOAP AND WATER.  
 FOR EYES, FLUSH WITH WARM WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN.  
 IF INGESTED, DRINK LARGE VOLUMES OF WATER FOLLOWED BY MILK THEN INDUCE VOMITING. CALL PHYSICIAN.

### Note to Physicians:

EYES, FLUSH WITH WATER.  
 INGESTION, INDUCE VOMITING.

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## 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 COOL WATER AND DISPOSE TO DRAIN.  
FOR A LARGE SPILL, DIKE, COLLECT AND CONTACT LOCAL AUTHORITIES ABOUT DISPOSAL.

### Other Information:

Not Available

## VII. Handling and Storage:

### Handling Precautions:

KEEP CONTAINER CLOSED.

### Storage Precautions:

STORE IN A COOL DRY PLACE. AVOID STORING IN DIRECT SUNLIGHT.

## VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Water	Not Available	Not Available	Not Available
Isopropanol	400ppm	400ppm	Not Available
PSRN57948000-5001P	Not Available	Not Available	Not Available
PSRN57948000-5003P	Not Available	Not Available	Not Available
Dipropylene glycol methyl ether	100ppm	100ppm	Not Available

### Engineering Controls:

AVOID BREATHING MIST. IF EXPOSURE IS LIKELY, USE FILTER OR PROTECTIVE 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:** 250°C

**Boiling Range:** NO DATA

**Solubility In Water:** EXCELLENT

**Flash Point:** 95°C

**Odor Threshold:** NO DATA

**Vapor Density (AIR = 1):** >1

**pH Range:** 4.1 - 10

**Decomposition Temp:** NO DATA

**Lower Explosive Limit:** -

**Specific Gravity (H2O = 1):** 1.01

**Other Information:** THIS PRODUCT CONTAINS NO PHOSPHATES.

**Melting Point:** N/A

**Freezing Point:** 0°C

**Evaporation Rate (Butyl Acetate = 1):** <0.01

**Flash Point Method:** TCC

**Appearance and Odor:** AMBER LIQUID, CITRUS FRAGRANCE

**Vapor Pressure (mm Hg.):** <0.001kPA

**Partition Coefficient:** NO DATA

**Auto-Ignition Temp:** NO DATA

**Upper Explosive Limit:** -

## X. Stability and Reactivity:

### Stability:

VERY STABLE

### Conditions to Avoid:

AVOID CONTACT WITH ACIDS AND LAUNDRY COMPOUNDS.

### Incompatible Materials:

NONE

### Hazardous Decomposition Products:

MILD DECOMPOSITION CAN RESULT GIVING OFF HYDROGEN.

### 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 COOL WATER AND DISPOSE TO DRAIN.  
FOR A LARGE SPILL, DIKE, COLLECT AND CONTACT LOCAL AUTHORITIES ABOUT DISPOSAL.

## XIV. Transport Information:

**Shipping Name:** N/A

**DOT Hazard Class:** Not Available

**UN/NA#:** Not Available

### Transportation Information:

NOT DOT REGULATED

**DOT Subsidiary Hazard Class:** Not Available

**Packing Group:** Not Available

## 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.

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

**Additional Product Information:**

ENZYME DETERGENT