

# 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:** O-TWO  
**MSDS No.:** 276

**Issue Date:** 02/01/2008  
**Supersedes Date:** 03/12/2007

## II. Hazards Identification:

### EMERGENCY OVERVIEW

INHALATION, CAN IRRITATE, NOSE, THROAT, AND LUNGS.  
 SKIN CONTACT, CAN CAUSE TISSUE DESTRUCTION, WITH LONG TERM EXPOSURE.  
 INGESTION, SEVERE INTERNAL IRRITATION AND DAMAGE CAN RESULT IF TAKEN BY MOUTH.

### 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 BE DESTRUCTIVE TO TISSUE. SKIN BURNS CAN BE PRODUCED. CONTACT WITH EYES CAN CAUSE PERMANENT DAMAGE.

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

INHALATION, CAN IRRITATE, NOSE, THROAT, AND LUNGS.  
 SKIN CONTACT, CAN CAUSE TISSUE DESTRUCTION, WITH LONG TERM EXPOSURE.  
 INGESTION, SEVERE INTERNAL IRRITATION AND DAMAGE CAN RESULT IF TAKEN BY MOUTH.

#### **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	15-25	
PSRN57948000-5046P	TradeSecret	20-30	
Sodium metasilicate	6834920	10-20	
Sodium tripolyphosphate	7758294	10-20	

## IV. First Aid Measures:

### Emergency and First Aid Procedures:

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

### Note to Physicians:

EYES, FLUSH WITH WATER FOR AT LEAST 15 MINUTES.  
 IF INGESTED, INDUCE VOMITING.

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## V. Fire Fighting Measures:

### Suitable Extinguishing Media:

FLOOD WITH WATER

### Unsuitable Extinguishing Media:

NONE KNOWN

### Products of Combustion:

EXPLOSIVE HYDROGEN GAS CAN BE RELEASED.

### 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 SMALL SPILLS, MATERIAL SHOULD BE DILUTED WITH WATER AND DISPOSED TO SEWER. FOR LARGE SPILLS, SWEEP MATERIAL INTO NEW CONTAINERS.

### Other Information:

Not Available

## VII. Handling and Storage:

### Handling Precautions:

AVOID EXCESSIVE HEAT AND AVOID CONTACT WITH ACIDS AND ORGANIC COMBUSTIBLE AGENTS.

### Storage Precautions:

STORE IN A COOL DRY AREA.

## VIII. Exposure Controls/Personal Protection:

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

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, WEAR PROTECTIVE GLOVES AND HAVE A HAND WASH AREA NEAR BY (ie. SOAP 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:

<b>Boiling Point:</b> N/A	<b>Melting Point:</b> N/A
<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> -
<b>Odor Threshold:</b> NO DATA	<b>Appearance and Odor:</b> WHITE GRANULAR PRODUCT, LEMON FRAGRANCE
<b>Vapor Density (AIR = 1):</b> N/A	<b>Vapor Pressure (mm Hg.):</b> N/A
<b>pH Range:</b> Not Available	<b>Partition Coefficient:</b> NO DATA
<b>Decomposition Temp:</b> NO DATA	<b>Auto-Ignition Temp:</b> NO DATA
<b>Lower Explosive Limit:</b> -	<b>Upper Explosive Limit:</b> -
<b>Specific Gravity (H2O = 1):</b> Not Available	
<b>Other Information:</b> THIS PRODUCT CONTAINS PHOSPHATES.	

## X. Stability and Reactivity:

### Stability:

STABLE

### Conditions to Avoid:

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

### Incompatible Materials:

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

### Hazardous Decomposition Products:

DECOMPOSES TO GIVE OFF HEAT AND OXYGEN.

### 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 SMALL SPILLS, MATERIAL SHOULD BE DILUTED WITH WATER AND DISPOSED TO SEWER. FOR LARGE SPILLS, SWEEP MATERIAL INTO NEW CONTAINERS. DO NOT PUT CONTAMINATED MATERIAL WITH CLEAN MATERIAL. ASK LOCAL AUTHORITIES ABOUT WASTE 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

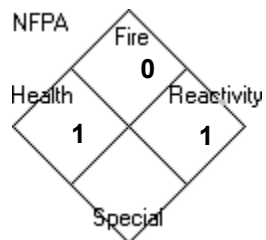
## XV. Regulatory Information:

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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

1	Health
0	Flammability
1	Physical Hazard
C	Pers. Protection

**Additional Product Information:**

PRE-SOAK