

# 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:** VANGUARD  
**MSDS No.:** 868

**Issue Date:** 03/15/2007  
**Supersedes Date:** 10/02/2006

## 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, 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.  
 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
Ethanol	64175	5-10	
PSRN57948000-5071P	TradeSecret	45-55	
Water	7732185	35-45	

## 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 FOR AT LEAST 15 MINUTES.  
 IF INGESTED, 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:

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 A SMALL SPILL, IMMEDIATELY HOSE DOWN WITH COOL WATER AND DISPOSE DOWN DRAIN.  
FOR LARGE SPILLS, DIKE, COLLECT AND ADD SLOWLY TO A LARGE VOLUME OF COOL WATER WITH CONSTANT STIRRING. THEN SLOWLY NEUTRALIZE TO A pH OF 7.0 WITH MURATIC OR PHOSPHORIC ACID SOLUTIONS.

### Other Information:

Not Available

## VII. Handling and Storage:

### Handling Precautions:

AVOID MIXING WITH LAUNDRY BLEACHING COMPOUNDS. AVOID CONTAMINATION OF FOOD. PROTECT AGAINST SPLASHING IN EYES. STORE IN A COOL WELL VENTILATED AREA.

### Storage Precautions:

CONTAINER DISPOSAL: TRIPLE RINSE. THEN OFFER FOR RECYCLING OR RECONDITIONING OF PUNCTURE AND DISPOSE OF IN A SANITARY LANDFILL, OR INCINERATION, OR, IF ALLOWED BY STATE AND LOCAL AUTHORITIES BY BURNING. IF BURNED, STAY OUT OF SMOKE. METAL CONTAINER: TRIPLE RINSE, THEN OFFER FOR RECYCLING OR RECONDITIONING, OR DISPOSE OF IN A SANITARY LANDFILL, OR BY OTHER PROCEDURES APPROVED BY STATE AND LOCAL AUTHORITIES. FOR ONE (1) GALLON CONTAINERS OR LESS: DO NOT REUSE EMPTY CONTAINER (BOTTLE, CAN, BUCKET). WRAP CONTAINER AND PUT IN TRASH.

## VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
PSRN57948000-5071P	Not Available	Not Available	Not Available
Water	Not Available	Not Available	Not Available
Ethanol	1000ppm	1000ppm	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, 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:

**Boiling Point:** NO DATA

**Boiling Range:** 230°F

**Solubility In Water:** EXCELLENT

**Flash Point:** 42.78°C

**Odor Threshold:** NO DATA

**Vapor Density (AIR = 1):** 0.92

**pH Range:** 4.1 - 10

**Decomposition Temp:** NO DATA

**Lower Explosive Limit:** NO DATA

**Specific Gravity (H2O = 1):** 1.02

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

**Melting Point:** NO DATA

**Freezing Point:** 0°C

**Evaporation Rate (Butyl Acetate = 1):** NO DATA

**Flash Point Method:** SETAFLASH

**Appearance and Odor:** CLEAR LIQUID, MILD ODOR

**Vapor Pressure (mm Hg.):** NO DATA

**Partition Coefficient:** NO DATA

**Auto-Ignition Temp:** NO DATA

**Upper Explosive Limit:** NO DATA

## X. Stability and Reactivity:

### Stability:

VERY STABLE

### Conditions to Avoid:

AVOID CONTACT WITH ALUMINUM, ZINC, MAGNESIUM, COPPER. EXPLOSIVE HYDROGEN GAS CAN BE RELEASED. OPEN FLAME.

### Incompatible Materials:

OXIDIZABLE OR COMBUSTIBLE ORGANIC MATERIALS, STRONG OXIDIZERS.

### Hazardous Decomposition Products:

CARBON DIOXIDE, CARBON MONOXIDE, NITROGEN COMPOUNDS.

### 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 SPILL, ABSORB LIQUID WITH PAPER, FLOOR PAPER, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL. FOR LARGE SPILL: PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, OR OTHER ABSORBENT MATERIAL.

WASTE DISPOSAL METHODS: FOR SMALL SPILL, ALLOW VOLATILE PORTION TO EVAPORATE OUTSIDE BUILDING. FOR LARGE SPILL, INCINERATE OR DISPOSE TO LANDFILL WHERE PERMITTED.

## XIV. Transport Information:

**Shipping Name:** DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (DIMETHYLBENZYL AMMONIUM COMPOUND)

**DOT Hazard Class:** 8

**DOT Subsidiary Hazard Class:** Not Available

**UN/NA#:** UN1903

**Packing Group:** III

### Transportation Information:

UN 1903

DOT HAZARD CLASS: 8

LABEL: FLAMMABLE LIQUID and CORROSIVE

PG: III

PROPER SHIPPING NAME: DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (DIMETHYLBENZYL AMMONIUM COMPOUND)

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**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

1	Health
2	Flammability
0	Physical Hazard
C	Pers. Protection

**Additional Product Information:**

LAUNDRY DISINFECTANT