

MSDS - Material Safety Data Sheet

Product Name: BREAKTHROUGH**MSDS No.: 665****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: BREAKTHROUGH
MSDS No.: 665

Issue Date: 09/04/2009**Supersedes Date:** 11/26/2008**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, EITHER DRY OR IN SOLUTION, IS AN IRRITANT TO TISSUE.
CONTACT WITH EYES CAN CAUSE DAMAGE.

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
PSRN57948000-5006P	TradeSecret	30-40	
PSRN57948000-5010P	TradeSecret	20-30	
PSRN57948000-5046P	TradeSecret	0-15	
Sodium metasilicate	6834920	5-10	
Sodium tripolyphosphate	7758294	0-15	

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.

MSDS - Material Safety Data Sheet

Product Name: BREAKTHROUGH

MSDS No.: 665

Note to Physicians:

FOR EYES, FLUSH WITH WARM 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 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:

KEEP CONTAINER CLOSED.

Storage Precautions:

DO NOT STORE WITH STRONG ACIDS. AVOID EXCESSIVE MOISTURE.

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.

MSDS - Material Safety Data Sheet

Product Name: BREAKTHROUGH

MSDS No.: 665

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.

IX. Physical and Chemical Properties:

Boiling Point: N/A

Boiling Range: N/A

Solubility In Water: EXCELLENT

Flash Point: N/A

Odor Threshold: NO DATA

Vapor Density (AIR = 1): N/A

pH Range: N/A

Decomposition Temp: 1388°F

Lower Explosive Limit: -

Specific Gravity (H2O = 1): Not Available

Other Information: THIS PRODUCT CONTAINS PHOSPHATES.

Melting Point: 318.4°C

Freezing Point: N/A

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

Flash Point Method: -

Appearance and Odor: WHITE GRANULAR POWDER -
LEMON FRAGRANCE

Vapor Pressure (mm Hg.): 42

Partition Coefficient: NO DATA

Auto-Ignition Temp: NO DATA

Upper Explosive Limit: -

X. Stability and Reactivity:

Stability:

VERY 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:

DO NOT PUT CONTAMINATED MATERIAL WITH CLEAN MATERIAL. ASK LOCAL AUTHORITIES ABOUT WASTE DISPOSAL.

XIV. Transport Information:

Shipping Name: N/A

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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:**Chemical State:** ☐ Liquid ☐ Gas ☒ Solid**Chemical Type:** ☐ Pure ☒ Mixture**Hazard Category:**☒ Acute☐ Chronic☐ Pressure☐ Fire☐ Reactive**Additional Manufacturer Warnings:**

Not Available

1	Health
0	Flammability
0	Physical Hazard
C	Pers. Protection

Additional Product Information:

ENZYME BLEACH DETERGENT