

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: BREAK-FREE
MSDS No.: 785

Issue Date: 12/08/2006
Supersedes Date: 12/06/2005

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

Other Health Warnings:

NONE KNOWN

Potential Environmental Effects

NONE KNOWN

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
PSRN57948000-5035P	TradeSecret	0-5	
PSRN57948000-5058P	TradeSecret	0-10	
PSRN57948000-5063P	TradeSecret	0-10	
Sodium hydroxide	1310732	10-20	
Water	7732185	65-75	

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:

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:**

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
Sodium hydroxide	2mg/m3	2mg/m3	Not Available
Water	Not Available	Not Available	Not Available
PSRN57948000-5058P	Not Available	Not Available	Not Available
PSRN57948000-5063P	Not Available	Not Available	Not Available
PSRN57948000-5035P	Not Available	Not Available	Not Available

Engineering Controls:

AVOID BREATHING MIST. IF EXPOSURE IS LIKELY, USE FILTER OR PROTECTIVE 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:

Boiling Point: 140°C

Boiling Range: NO DATA

Solubility In Water: EXCELLENT

Flash Point: N/A

Odor Threshold: NO DATA

Vapor Density (AIR = 1): NO DATA

pH Range: 12.5 - Above

Decomposition Temp: NO DATA

Lower Explosive Limit: N/A

Specific Gravity (H2O = 1): 1.11030

Other Information: THIS PRODUCT CONTAINS NO PHOSPHATES.

Melting Point: N/A

Freezing Point: -8°C

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

Flash Point Method: N/A

Appearance and Odor:

Vapor Pressure (mm Hg.): 13

Partition Coefficient: NO DATA

Auto-Ignition Temp: NO DATA

Upper Explosive Limit: N/A

X. Stability and Reactivity:

Stability:

VERY STABLE

Conditions to Avoid:

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

Incompatible Materials:

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 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. DISPOSE OF DOWN DRAIN AFTER APPROVAL OF APPROPRIATE AUTHORITIES. CLEAN AND NEUTRALIZE ALL AREAS OF CONTACT.

XIV. Transport Information:

Shipping Name: COMPOUND, CLEANING LIQUID, (SODIUM HYDROXIDE)

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DOT Hazard Class: 8

DOT Subsidiary Hazard Class: Not Available

UN/NA#: NA 1760

MSDSPackGroup: II

Transportation Information:

NA 1760

DOT HAZARD CLASS: 8

LABEL: CORROSIVE

PG: II

PROPER SHIPPING NAME: COMPOUND, CLEANING LIQUID, (SODIUM HYDROXIDE)

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

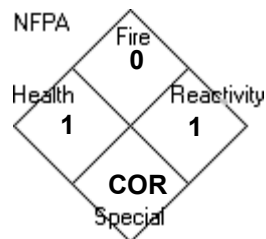


Pressure



Reactive

NFPA

**Additional Manufacturer Warnings:**

Not Available

1	Health
0	Flammability
1	Physical Hazard
C	Pers. Protection

Additional Product Information:

OVEN AND GRILL CLEANER