

# MATERIAL SAFETY DATA SHEET

## BREAK DOWN

Date: 10/29/03  
Supersedes: 5/1/01

## HAZARD RATINGS (0-4)

FIRE 0 REACTIVITY 0  
TOXICITY 2 SPECIAL

SUPPLIER: Midland Products  
18600 Graphics Court Tinley Park, IL 60477  
(708) 444-8200

**FOR CHEMICAL EMERGENCY  
CALL 800-535-5053**

TRADE NAME: Break Down  
PRODUCT TYPE: Hard surface cleaner/stripper  
CHEMICAL FORMULA: Mixture  
CHEMICAL NAME: N/A

## COMPONENT LIST - SECTION I

<u>COMPONENT</u>	<u>CAS</u>	<u>%</u>	<u>TLV</u>	<u>TLV</u>
	<u>REG#</u>		<u>OSHA</u>	<u>ACGIH</u>
Potassium Hydroxide	1344-09-8	2 - 5	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>
Sodium Metasilicate	6834-92-0	5 - 10	N/A	N/A
Monoethanolamine	141-43-5	5 - 10	3 ppm TWA	3 ppm TWA
Propylene Glycol Methyl Ether	107-98-2	5 - 10	100 PPM TWA	100 ppm TWA
Sodium Xylene Sulfonate	1300-72-7	2 - 5	N/E	N/E

This product contains no ingredients that are listed in SARA III, Section 313 Inventory.

## PHYSICAL PROPERTIES - SECTION II

APPEARANCE: Clear blue liquid with moderate odor  
pH: 13.5  
VISCOSITY: < 10 cps  
FREEZING POINT: 32° F, water, F/T stable  
BOILING POINT: 212° F, water  
VAPOR PRESSURE: <18 mm Hg  
VAPOR DENSITY: <1, water  
SOLUBILITY IN WATER: Complete  
VOLATILE (% WT): ~84  
SPECIFIC GRAVITY: 1.08  
EVAPORATION RATE: <1

## FIRE AND EXPLOSION HAZARD - SECTION III

FLASH POINT: None  
LOWER EXPLOSION LIMIT: N/A UPPER EXPLOSION LIMIT: N/A  
AUTO IGNITION TEMP: N/A  
EXTINGUISHING MEDIUM: Foam, CO<sub>2</sub>  
SPECIAL FIRE FIGHTING PROCEDURES:

Cool and use caution when approaching fire-exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
Containers may burst in heat of fire.

## HEALTH HAZARDS - SECTION IV

THRESHOLD LIMIT VALUES: None established.  
PRIMARY ROUTES OF EXPOSURE: Eye, skin  
CARCINOGENS OR SUSPECTED CARCINOGENIC INGREDIENTS: None  
EFFECTS OF OVEREXPOSURE:

If in eyes - Will cause severe persistent irritation.

If on skin - Will cause moderate irritation.

If inhaled - Spray mist or fog may cause irritation to nose, throat and lungs.

If swallowed - May cause corrosive damage to mouth, throat or stomach. Large oral doses may cause diarrhea, intestinal bleeding.

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**EMERGENCY AND FIRST AID PROCEDURES:**

If in eyes: Flush thoroughly with water for at least 15 minutes. Hold eyelids apart to ensure flushing of entire eye surface. If irritation persists, seek medical attention.

If on skin: Flush thoroughly with water. Wash clothing before reuse.

If inhaled: Remove subject to fresh air. If distress persists, contact a physician.

If swallowed: Wash mouth with water. Give large amounts of water or milk to drink. Call a physician.

Never give anything by mouth to an unconscious person. Do not induce vomiting.

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**REACTIVITY - SECTION V**

STABILITY: Stable

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield oxides of carbon.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong acids (e.g. muriatic acid).

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**SPILLS OR LEAK PROCEDURE - SECTION VI**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

For small spills that can be handled routinely, mop up as much as possible. Then flush residue into sanitary sewer system.

For large spills, collect with suitable absorbent, sweep up and place bulk material in container for disposal under current federal, state and local regulations.

**WASTE DISPOSAL METHODS:**

Waste from normal product use can be flushed to sanitary sewer which leads to sewage treatment facility.

Undiluted, this product is regulated by RCRA for disposal as a corrosive waste. Regulated quantities should be disposed of by neutralization at a permitted facility in accordance with federal, state and local regulations.

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**SPECIAL PROTECTION - SECTION VII**

VENTILATION TYPE: General room ventilation is normally adequate. Substantial misting can be controlled with local exhaust.

RESPIRATORY PROTECTION: None needed under normal use conditions. If mists are not controlled by local exhaust, use NIOSH approved respiratory equipment.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses; face shield if splashing likely.

OTHER PROTECTIVE EQUIPMENT: Use good personal hygiene practices. Eye wash, safety shower.

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**STORAGE AND HANDLING - SECTION VIII**

Keep from freezing. Store at 50° - 120° F.

Protect food and food packaging before using this product.

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**SHIPPING - SECTION IX**

PROPER SHIPPING NAME: Compounds, Cleaning Liquid (Contains Potassium Hydroxide)

U.S. DOT HAZARD CLASS: 8, NA 1760, PG II

LABEL REQUIREMENTS: Corrosive

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**MISCELLANEOUS - SECTION X**

ABBREVIATIONS:	N/A: Not applicable	UNK: Unknown
	N/D: Not determined	< : Less than
	N/E: Not established	> : Greater than

PREPARED BY: JOHN ROTH