

MATERIAL SAFETY DATA SHEET

Noble Chemical
 2209 Old Philadelphia Pike
 Lancaster, PA. 17602
 Phone:717-291-9700

N.A.=Not Applicable
 Not Est.=Not Established

Prepared by: Regulatory Affairs Department

Date: 02/01/2000

SECTION 1- GENERAL PRODUCT DATA

Product Name: Heavy Duty Degreaser
Product Code: 147HDDEGREAS
HMIS Legend: 4-Extreme 3-High 2-Moderate 1-Slight 0-Insignificant
HMIS Hazard Code: Health:2 Flammability:0 Reactivity:1
Chemical Family: Formulated Liquid Detergent
D.O.T. Shipping Name: Corrosive Liquid, NOS

CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924
Chemical Strength: Highly Caustic Material
Formula: Proprietary

Hazard Class: 8

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	OSHA PEL	ACGIH	TLV	%
Potassium Hydroxide	1310-58-3	2 MG/M3			<10
2 Butoxy Ethanol	111-76-2		50 ppm		<10

Unidentified ingredients are not considered hazardous under the Federal Hazard Communications Standard (29 CFR 1910. 1200)

SECTION 3 - PHYSICAL DATA

Boiling Point (°F): 214
Vapor Pressure (mm Hg): = N/A
Appearance: Yellow to Amber, Free flowing liquid
Specific Gravity: 1.012
Percent Volatile By Volume: N/A
Evaporation Rate: = N/A
Odor: Characteristic **pH:** 12.2 (Concentrate)

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point (F): N/A
Flammable Limits: N/A
Unusual Fire & Explosion Hazards: Not considered combustible
Special Fire Fighting Procedures: This product is not normally considered combustible and will not burn or sustain combustion. Protect from irritating mists and corrosive solutions with pressure-demand, self-contained respirator & protective clothing.

SECTION 5 - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation: No Skin: Yes Ingestion: Yes **Threshold Limit Value:** N/A
Effects of Overexposure: Mists and vapors are irritating to the skin and exposure can cause severe burns.
Emergency & First Aid Procedures:
Inhalation: If inhaled, immediately move person to fresh air and get medical attention if effects occur.
For Skin: Wash with cool running water for 15 minutes. Seek medical attention if irritation develops. Remove contaminated clothing.
For Eyes: Rinse with cool running water for 15 minutes. Get immediate medical attention.
If Ingested: If swallowed, give several cups of water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

Carcinogen: Not considered carcinogenic by OSHA, NTP, or IARC

SECTION 6 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Spills and careless handling
Incompatibility: Strong oxidizing agents. Acids
Hazardous Decomposition Products: None known
Hazardous Polymerization: Will not occur

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled:
 See Section 8 for Protective Equipment. Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water. Spills may be slippery.
Waste disposal method: Dispose of in accordance with all applicable federal, state and local regulations. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

SECTION 8 - PROTECTIVE EQUIPMENT

Respiratory Protection: None usually required
Ventilation: Adequate general ventilation
Protective Gloves: Rubber or latex gloves
Eye Protection: Safety glasses with side shields or goggles
Other Protective Equipment: Use rubber boots & apron as required. Eye bath & safety shower.

SECTION 9 - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage:
 Store at room temperature. Keep from freezing. Keep container closed when not in use. Use with adequate ventilation. Avoid contact with eyes.
Other Precautions: Do not take internally. Avoid contamination of food. For industrial use only. Keep out of reach of children. Do not mix with anything but water. Avoid strong oxidizing agents, acids, aluminum and other soft metals.

SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

111-76-2	2 Butoxy Ethanol	2.0 %
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This information must be included in all MSDS's that are copied and distributed for this material.

NOTICE

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