

Ecolab Center  
St. Paul, Minnesota 55102

61205282

\*MATERIAL SAFETY DATA SHEET\*

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MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: **1-800-328-0026**  
Medical Calls from Outside of the USA: 612 292 4064 (USA)

ECOLAB PROFESSIONAL PRODUCTS For Product Information,  
DIVISION OF ECOLAB INC. Call: 1-800-247-5362  
Ecolab Center, ST. PAUL, MN 55102 Date of Issue: October 23, 1997

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1.0 IDENTIFICATION /

1.1 Product Name: LIFT-OFF N.A.  
1.2 Product Type: **Heavy Duty** Stripper, non ammoniated.  
1.3 Hazard Rating: **Health 3** Fire 0 Reactivity 0

++ SARA 313 Toxic Chemicals, If present, Are Preceded By "#" ++

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2.0 HAZARDOUS COMPONENTS /

		(mg/m3)		
		%	PEL	TWA
2.1 Sodium hydroxide ( <b>caustic soda</b> )	1310-73-2	4	2	2 C
2.2 Ethanolamine (MEA)	141-43-5	13	6	*

\* ACGIH STEL = 15

**2.3** This product does contain 7% glycol ether.  
This product contains no other component considered hazardous according to the criteria of 29 CFR 1910.1200.

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STEL = 15 Minute Average in Air      PEL = OSHA **8** Hour Average  
TWA = ACGIH **8** Hour Average      C = Ceiling Limit; Do Not Exceed

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.0 PHYSICAL DATA /

3.1 Appearance: Clear blue/green liquid; Citrus odor.  
3.2 Solubility in Water: Mixes with water in all proportions.  
**3.3** 100% **pH:** 13.5      Use Solution **pH:** 12.8  
3.4 Initial Boiling Point: 212 deg F  
3.5 Specific Gravity: 1.0

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.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: None  
4.2 Fire Fighting Methods: Product does not support combustion.

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.0 REACTIVITY DATA /

5.1 **Stability:** Stable under normal conditions of handling.  
5.2 Conditions to Avoid: Do not mix with anything but water.  
5.3 Keep from freezing.

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.0 SPILL OR LEAK PROCEDURES /      USE PROPER PROTECTIVE EQUIPMENT

6.1 Cleanup: Dike or dam large spills. Pump to containers or soak up on inert absorbent. Flush residue to sanitary sewer.

6.2 Waste Disposal: Consult state/local authorities for limits on chemical waste disposal. Unused product is Corrosive (**D002**) by RCRA criteria.

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**7.0 HEALTH HAZARD DATA /****DANGER****7.1 Effects of Overexposure to Concentrate:**

Skin and Eyes: CAUSES SEVERE CHEMICAL BURNS. Eye contact may cause blindness. Harmful contact may not cause immediate pain.

++ Immediate water flushing is vital in case of eye contact. ++  
If Swallowed: HARMFUL OR FATAL. Causes chemical burns of mouth, throat and stomach.

If Inhaled: Damages airways and lungs, depending upon amount and duration of exposure. Effects can vary from slight irritation to bronchitis or pneumonia. People with asthma or other lung problems may be more affected.

**7.2 Note:** Use solutions may also be corrosive. See line 9.2.

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**8.0 FIRST AID /**

**8.1 Eyes:** Flush at once with cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart so as to rinse entire eye. CALL A PHYSICIAN IMMEDIATELY.

**8.2 Skin:** immediately flush skin with plenty of cool running water for **at least** 15 minutes while removing contaminated clothing and shoes; discard or wash well before reuse.

**8.3 If Swallowed:** Rinse mouth at once; then drink 1 or 2 large glasses of water or milk. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.

**8.4 If Inhaled:** Immediately move to fresh air.

IMMEDIATELY CALL THE MEDICAL EMERGENCY NUMBER (1-800-328-0026),  
A POISON CONTROL CENTER OR A PHYSICIAN

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**.0 PROTECTIVE MEASURES /****9.1 FOR CONCENTRATE:**

Respiratory: Avoid breathing mists or vapors of this product.

Eyes: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

Skin: Use any industrial rubber gloves.

**9.2 USE SOLUTIONS:** Avoid contact with use solutions. These may also be hazardous.

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**.0 ADDITIONAL INFORMATION/PRECAUTIONS /**

**10.1 DOT:** Caustic Alkali Liquid, N.O.S. (Contains Sodium Hydroxide, Monoethanolamine), 8, UN1719, PG II

KEEP OUT OF REACH OF CHILDREN

The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.