

905117 MATERIAL SAFETY DATA SHEET
 MEDICAL EMERGENCIES ONLY (24 Hour Service): 1-800-328-0026
 Medical Calls from Outside of the USA: 1-651-222-5352
 INSTITUTIONAL DIVISION Ecolab Inc.
 Ecolab Center St. Paul MN 55102
 Product Information: 1-800-352-5326 Issue Date: January 24, 2000

1.0 IDENTIFICATION /

1.1 Product Name: GREASESTRIP PLUS

1.2 Product Type: High Alkaline Oven Cleaner/Degreaser

1.3 Hazard Rating: Health: 3 Fire: 0 Reactivity: 0

 Substances Subject to SARA 313 Reporting Are Indicated by "#"

2.0 HAZARDOUS COMPONENTS /

(in mg/m3)

	CAS No.	%	PEL	TWA
2.1 Sodium hydroxide (caustic soda)	1310-73-2	7	2	2C
2.2 Ethanolamine (MEA)	141-43-5	1-5	6	7.5*

*ACGIH STEL = 15

 STEL = ACGIH short term exp. limit (15 min) PEL = OSHA 8 hr ave in air
 TWA = ACGIH 8 hr average C = ceiling limit in air, do not exceed

3.0 PHYSICAL DATA /

3.1 Appearance: Clear dark orange liquid; no odor
 3.2 Solubility in Water: Mixes with water in all proportions
 3.3 pH: 13.0 - 14.0 (100%)
 3.4 Initial Boiling Point: 212 deg F
 3.5 Specific Gravity: 1.080 @ 70 deg F

4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: None, does not support combustion.
 4.2 Fire Fighting Methods: Use method appropriate for surrounding fire.

5.0 REACTIVITY DATA /

5.1 Stability: Stable under normal conditions of use and handling.
 5.2 Conditions to Avoid: Reacts vigorously with acids. Reacts with soft metals i.e. aluminum or zinc, producing flammable hydrogen gas.
 5.3 Do not use on surfaces above 130 deg F; irritating vapors may occur.
 5.4 Keep from freezing.

6.0 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 or small spills to sanitary sewer.
- 6.2 Waste Disposal: Consult state/local authorities for limits on chemical waste disposal. Unused product is RCRA Corrosive (D002).

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7.0 HEALTH HAZARD DATA/

DANGER

7.1 Effects of Overexposure:

Eyes: Causes chemical burns. May cause blindness.

++ Immediate water flushing is vital in case of eye contact ++

Skin: Causes chemical burns. Harmful contact may not cause immediate pain.

If Swallowed: HARMFUL. Causes chemical burns of mouth throat and sto

If Inhaled: Causes irritation to bronchitis or pneumonia, depending on exposure. People with lung problems may be more affected.

8.0 FIRST AID /

8.1 Eyes: Flush at once with cool running water. Remove contact lenses and continue flushing for 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 before reuse.

8.3 If Swallowed: Rinse mouth at once; then drink 1 or 2 large glasses of water. 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

9.0 PROTECTIVE MEASURES /

9.1 FOR CONCENTRATE:

Eyes: Wear chemical splash goggles.

Skin: Wear any industrial rubber glove.

Respiratory: Avoid breathing mists or vapors of this product.

Ventilate to maintain air levels below exposure limits.

Note: Access to emergency eye wash and shower is recommended.

10.0 ADDITIONAL INFORMATION /

10.1 Purpose of 1/24/2000 issue: Add line 1.3; QC and editorial update. Replaces November 20, 1998 issue.

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.