

MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026

ECOLAB INC Ecolab Center  
St. Paul MN 55102

Product Information: 1-612-293-2233  
Date of Issue: February 12, 1990

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1.0 IDENTIFICATION /

- 1.1 Product Name: ECO-KLENE
- 1.2 Product Type: High Alkaline, Automatic Liquid Dishmachine Detergent

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++ Section 2 Provides SARA Section 313 Reporting Information ++

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2.0 HAZARDOUS COMPONENTS /

Air Limits (mg/m3)

- |   | %  | TWA | Other |
|---|----|-----|-------|
| 2.1 Sodium hydroxide (caustic soda) 1310-73-2 | 15 | 2 C | 2 C   |
- This product contains no other component considered hazardous according to the criteria of 29 CFR 1910.1200.

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3.0 PHYSICAL DATA /

- 3.1 Appearance: Clear red liquid; no odor
- 3.2 Solubility in Water: Complete
- 3.3 pH: 100% = 13.0-14.0, 0.2% = 12.0-12.5
- 3.4 Boiling Point: >212 deg F                      Specific Gravity: 1.14-1.16

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4.0 FIRE AND EXPLOSION DATA /

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

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5.0 REACTIVITY DATA /

- 5.1 Stability: Stable under normal conditions of handling.
- 5.2 Conditions to Avoid: Do not mix with anything but water. Reacts violently with acids. Reacts with soft metals such as aluminum and zinc.

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6.0 SPILL OR LEAK PROCEDURES /                      USE PROPER PROTECTIVE EQUIPMENT

- 6.1 Cleanup: Smaller amounts may be flushed safely to the sewer.
- 6.2 Waste Disposal: Consult state and local authorities for restrictions on disposal of chemical waste. Unused product as a waste is Corrosive (D002) by RCRA criteria.

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UNK = Unknown at this time                      PEL = Permissible Exposure Limit  
TWA = OSHA 8 Hour Average                      STEL = 15 Minute Average  
C = Ceiling Limit, Not To Be Exceeded

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7.0 HEALTH HAZARD DATA /

DANGER

7.1 Effects of Overexposure:

Skin and Eyes: CAUSES SEVERE CHEMICAL BURNS. Eye contact may cause blindness. Harmful skin 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.

8.0 FIRST AID /

8.1 Eyes: Immediately flush with plenty of cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart to ensure rinsing of the 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. Wash clothing before reuse.

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

CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY

9.0 SPECIAL PROTECTION INFORMATION /

9.1 Eyes: Splashproof glasses, goggles or face shield.

9.2 Skin: Rubber gloves - protective cuff or gauntlet type preferred.

9.3 Other: Avoid contact with use solutions. These may also be hazardous.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

10.1 DOT Class: Alkaline Liquid N.O.S. (Sodium Hydroxide), NA1719 / Corrosive

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.