

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

APR 02 1992

ECOLAB INC Ecolab Center
St. Paul MN 55102

Product Information: 1-612-293-2233
Date of Issue: May 1, 1991

1.0 IDENTIFICATION /

- 1.1 Product Name: KOOL-KLENE
1.2 Product Type: Cold temperature cleaner

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

2.0 HAZARDOUS COMPONENTS /

	Air Limits (mg/m3)		
	%	TWA	Other
2.1 Ethanolamine (MEA) 141-43-5	3	8	7.5
2.2 2-Propanol (Isopropyl alcohol, IPA) 67-63-0	7	980	980*

*STEL = 1225

This product contains no other component considered hazardous according to the criteria of 29 CFR 1910.1200.

3.0 PHYSICAL DATA /

- 3.1 Appearance: Fluorescent yellow/green color with alcohol odor
3.2 Solubility in Water: Complete
3.3 pH: 11.5 (100%)
3.4 Boiling Point: Approx 200 deg F Specific Gravity: 1.015

4.0 FIRE AND EXPLOSION DATA /

- 4.1 Special Fire Hazards: Fumes may form flammable mixture due to alcohol content
4.2 Fire Fighting Methods: Use fog, foam or fine water spray.
4.3 Flash Point: 105 deg F (TCC) due to IPA
4.4 Flammable Limits - Lower: UNK Upper: UNK

5.0 REACTIVITY DATA /

- 5.1 Stability: Stable under normal conditions of handling.
5.2 Conditions to Avoid: High temperatures, heat, sparks, open flame.
Do not mix with anything but water.

6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

- 6.1 Cleanup: Remove all ignition sources. Recover free liquid. Add absorbent to spill area.
6.2 Waste Disposal: Rinse small amounts to drain where possible. Dike or dam large spills; pump to containers or soak up on inert absorbent. Flush residue to sanitary sewer; rinse area thoroughly.

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

7.0 HEALTH HAZARD DATA /

CAUTION

7.1 Effects of Overexposure:

Skin and Eyes: May cause irritation.

If Swallowed: May cause stomach distress, nausea or vomiting.

8.0 FIRST AID /

8.1 Eyes: Flush immediately with plenty of cool running water. Remove contact lenses. Continue flushing for 15 minutes.

8.2 Skin: Flush skin with plenty of cool running water. Wash thoroughly with soap and water.

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

IF IRRITATION OR DISCOMFORT PERSISTS, CALL A PHYSICIAN.

9.0 PROTECTION WHEN HANDLING PRODUCT /

9.1 No requirements beyond standard industrial hygiene practices.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

10.1 DOT: Not DOT regulated.

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.