

15461

MATERIAL SAFETY DATA SHEET

Page 1 of 2

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

INSTITUTIONAL DIV., Ecolab Inc. Product Information: 1-800-352-5326
Ecolab Ctr. St. Paul MN 55102 Date of Issue: September 15, 1998

1.0 IDENTIFICATION /

1.1 Product Name: KOOL-KLENE
1.2 Product Type: Cold temperature cleaner
1.3 Hazard Rating: Health - 1 Fire - 2 Reactivity - 0

++ SARA 313 Toxic Chemicals, If Present, Are Preceded by "#" ++

2.0 HAZARDOUS COMPONENTS /

			(mg/m3)	
		%	PEL	TWA
2.1 Ethanolamine (MEA) 141-43-5	*(ACGIH STEL = 15)	$\frac{3}{3}$	$\frac{6}{6}$	*
2.2 2-Propanol (Isopropyl alcohol, IPA) 67-63-0		7	980	985*
* ACGIH STEL = 1230				

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

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

3.0 PHYSICAL DATA /

3.1 Appearance: Fluorescent yellow/green liquid; alcohol odor
3.2 Solubility in Water: Mixes with water in all proportions.
3.3 pH: 11.5 (100%)
3.4 Initial Boiling Point: Approx 200 deg F
3.5 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, fine water spray, dry chemical or CO₂.
4.3 Flash Point: 105 deg F (TCC) due to IPA

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; ventilate. Recover free liquid. Add absorbent to spill area.
6.2 Waste Disposal: Dike or dam large spills; pump to containers or soak up on inert absorbent. Flush small amounts or residue to sanitary sewer; rinse area thoroughly.



Ecolab Center
St. Paul, Minnesota 55102

Ecolab Inc.

Product: KOOL-KLENE
INSTITUTIONAL DIV., Ecolab Inc.
MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026

Page 2 of 2
965806

=====

7.0 HEALTH HAZARD DATA /

CAUTION

- 7.1 Effects of Overexposure to Concentrate:
Skin and Eyes: May cause minor irritation.
If Swallowed: May cause stomach distress, nausea or vomiting.

8.0 FIRST AID /

- 8.1 Eyes: Flush at once with cool running water. Remove contact lenses. Holding eyelids apart, continue flushing for 15 minutes.
8.2 Skin: Flush skin with cool water; then wash thoroughly with soap and water. Wash contaminated clothing well before reuse.
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 PROTECTIVE MEASURES /

- 9.1 CONCENTRATE:
Eyes: Use chemical splash goggles.
Skin: Use any industrial rubber glove.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

- 10.1 Purpose of 09/15/98 issue: Add line 1.3, edit section 9.

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.