



31167

Ecolab Inc.

Ecolab Center
St. Paul, Minnesota 55102

61027183 *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)

Ecolab Inc. Healthcare Division
370 Wabasha Street
St. Paul MN 55102
Product Info: 1-800-332-6522 Date of Issue: July 8, 1997

1.0 IDENTIFICATION /

- 1.1 Product Name: TOR II
- 1.2 Product Type: Quaternary Germicidal Disinfectant
- 1.3 Hazard Rating: Health - 1 Fire - 0 Reactivity - 0

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

2.0 HAZARDOUS COMPONENTS /

		(mg/m3)	
	%	PEL	TWA
2.1 n-Alkyldimethylbenzyl ammonium chlorides 8001-54-5	1.54	None	None
2.2 Didecyldimethyl ammonium chloride 7173-51-5	2.30	None	None

PEL = OSHA 8 Hour Average in Air TWA = ACGIH 8 Hour Average in Air

3.0 PHYSICAL DATA /

- 3.1 Appearance: Green liquid; sassafras fragrance
- 3.2 Solubility in Water: Mixes with water in all proportions.
- 3.3 pH: 7.2 - 8.2 (100%)
- 3.4 Initial Boiling Point: 212 deg F
- 3.5 Specific Gravity: 1.0

4.0 FIRE AND EXPLOSION DATA /

- 4.1 Special Fire Hazards: High temperatures may generate hazardous decomposition products including release of oxides of nitrogen
- 4.2 Fire Fighting Methods: Does not support combustion.

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. Mixing with soap or anionic detergent will deactivate the product.

6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

- 6.1 Cleanup: 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.
- 6.2 Waste Disposal: Consult state/local authorities for limits on chemical waste disposal. Triple rinse empty containers; do not reuse them.

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7.0 HEALTH HAZARD DATA /

CAUTION

7.1 Effects of Overexposure to Concentrate:
Eyes: Causes eye irritation.

8.0 FIRST AID /

8.1 Eyes: Flush immediately with plenty of cool running water. Remove contact lenses, if used, and flush again.

8.2 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: Eye protection is recommended. Wash thoroughly after handling.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

10.1 Not Dot regulated
10.2 New issue 07/08/97

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.