



Ecolab Center
St. Paul, Minnesota 55102

Ecolab Inc.

16360

MATERIAL SAFETY DATA SHEET: USA Page 1 of 2
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 13, 2003

1.0 IDENTIFICATION /

1.1 Product Name: ECO-STAR SOFT VI

1.2 Product Type: Fabric Softener Concentrate

1.3 Hazard Rating: Health: 2 Fire: 2 Reactivity: 0

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

2.0 HAZARDOUS COMPONENTS /

	CAS No.	%	PEL	TWA
2.1 Hexylene glycol	107-41-5	20-50	No	No*
*ACGIH STEL = 25ppm C; NIOSH STEL = 25ppm C				
2.2 Isopropyl alcohol (2-propanol, IPA)	67-63-0	10	980	491*
*ACGIH STEL = 984				
2.3 Surfactant	68410-69-5	20-50	No	No

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 light green liquid; light floral fragrance

3.2 Solubility in Water: Mixes with water in all proportions

3.3 pH: 5.0 - 8.5 (at 100%)

3.4 Initial Boiling Point: >212 deg F / 100 deg C

3.5 Specific Gravity: 0.986 @ 68 deg F / 20 deg C

4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: Combustible liquid; vapors released at or above the flash point may travel to ignition source and flash back.

4.2 Fire Fighting Methods: Use method appropriate for surrounding fire.

4.3 Flash Point: 110 deg F / 43 deg C (Tag. Closed Cup)

5.0 REACTIVITY DATA /

5.1 Stability: Stable under normal conditions of use and handling.

5.2 Conditions to Avoid: Avoid high heat, ignition sources. Use only as directed.

6.0 SPILL OR LEAK PROCEDURES / WEAR 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 authority for limits on chemical waste disposal. Unused product is RCRA ignitable (D001).



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7.0 HEALTH HAZARD DATA /

WARNING

7.1 Effects of Overexposure to Concentrate:

Eyes: Causes moderate to severe irritation.

Skin: Prolonged or repeated exposure may cause minor irritation.

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

If Inhaled: Mists/vapors may cause irritation to respiratory tract.

8.0 FIRST AID /

8.1 Eyes: Flush with cool running water. Remove contact lenses and continue flushing for 15 minutes.

8.2 Skin: Flush skin with water; wash with soap and water. Remove and wash contaminated clothing 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.

8.4 If Inhaled: If affected, move to fresh air.

IF IN EYES OR, IF IRRITATION OR DISCOMFORT PERSIST, CALL A PHYSICIAN

9.0 PROTECTIVE MEASURES /

9.1 FOR CONCENTRATE:

No protective equipment is necessary under normal use conditions.

Eyes: If splashing may occur, eye protection recommended.

Skin: Wear impervious gloves for prolonged or repeated exposure.

Respiratory: Avoid breathing mists or vapors of this product.

Ventilate to maintain air levels below exposure limits.

10.0 ADDITIONAL INFORMATION /

10.1 Purpose of 1/13/2003 issue: Minor formula change; associated edits.
Replaces September 25, 2002 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 in the country of origin. 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.