

909986 MATERIAL SAFETY DATA SHEET
 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: August 22, 2000

1.0 IDENTIFICATION /**1.1 Product Name:** OASIS 255 SF

1.2 Product Type: Liquid Glass Cleaner Concentrate

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

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

2.0 HAZARDOUS COMPONENTS /(in mg/m³)

	CAS No.	%	PEL	TWA
2.1 # 2-Butoxyethanol (ethylene glycol monobutyl ether)	111-76-2	9	240	97
(absorbed through skin)				
2.2 Propylene glycol n-propyl ether	1569-01-3	5-20	No	No
2.3 #* Ammonium hydroxide	1336-21-6	2	35*	17*
		*As Ammonia; ACGIH STEL = 24		
2.4 Ethanolamine (MEA)	141-43-5	1-5	6	7.5*
		*ACGIH STEL = 15		
2.5 Amphoteric and Anionic surfactants	mixture	1-5	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 blue liquid; ammonia odor
- 3.2 Solubility in Water: Mixes with water in all proportions
- 3.3 pH: 10.4 - 12.0 (100%)
- 3.4 Initial Boiling Point: 212 deg F / 100 deg C
- 3.5 Specific Gravity: 0.994 @ 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 fog, foam, water spray, dry chemical, CO₂.
- 4.3 Flash Point: 135-145 deg F / 57-63 deg C (TCC)

5.0 REACTIVITY DATA /

- 5.1 Stability: Stable under normal conditions of use and handling.
- 5.2 Conditions to Avoid: Mix only with water. Do not mix with acid or chlorine-containing compounds, will cause reaction or toxic vapors. Store in a cool dry place away from heat, sparks or open flame.

6.0 SPILL OR LEAK PROCEDURES /

USE PROPER PROTECTIVE EQUIPMENT

- 6.1 Cleanup: Eliminate ignition sources. Contain large spills, soak up on inert absorbent. Flush residue to sanitary sewer.
- 6.2 Waste Disposal: Consult state/local authorities for limits on chemical waste disposal.

7.0 HEALTH HAZARD DATA /

WARNING

- 7.1 Effects of Overexposure to Concentrate:
Eyes: Causes severe irritation or eye damage.
Skin: Causes irritation, possibly severe. Prolonged contact may cause chemical burns. May be absorbed through skin.
If Swallowed: Harmful. Large doses may damage internal organs.
If Inhaled: May damage respiratory tract depending on degree of exposure. Effects vary from slight irritation to bronchitis or pneumonia. People with lung problems may be more susceptible.
- 7.2 Note: In rats and mice, heavy doses of 2-butoxyethanol damage red blood cells, which in turn can injure the liver, kidney and spleen. These effects have not been observed in humans.

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: Immediately move to fresh air.

IF IRRITATION OR DISCOMFORT PERSISTS, CALL A PHYSICIAN.

9.0 PROTECTIVE MEASURES /

- 9.1 FOR CONCENTRATE:
Eyes: Wear chemical splash goggles.
Skin: Wear any industrial rubber glove.
Respiratory: Ventilate to maintain air levels below exposure limits. Avoid breathing mists or vapors of this product.

10.0 ADDITIONAL INFORMATION /

- 10.1 Purpose of 8/22/2000 issue: Formula change, associated edits. Replaces October 11, 1999 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. 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.