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MATERIAL SAFETY DATA SHEET

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

INSTITUTIONAL DIV., Ecolab Inc. Product Information: 1-800-352-5326
Ecolab Ctr. St. Paul MN 55102 Date of Issue: November 11, 19931.0 IDENTIFICATION /

- 1.1 Product Name: OASIS 255
1.2 Product Type: Glass Cleaner

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

2.0 HAZARDOUS COMPONENTS /

		(mg/m3)		
		%	PEL	Other
2.1 #	Butoxyethanol 111-76-2	30	240	121
2.2	2-Propanol (Isopropyl alcohol, IPA) 67-63-0	5	980	985*
		* ACGIH STEL = 1230		
2.3 #	Ammonium hydroxide 1336-21-6	1	35	*
		*(ACGIH STEL = 24)		
2.4	This product contains no other components considered hazardous according to the criteria of 29 CFR 1910.1200.			

UNK = Unknown at this time
STEL = 15 Minute Average

PEL = OSHA 8 Hour Average
C = Ceiling Limit; Do Not Exceed

3.0 PHYSICAL DATA /

- 3.1 Appearance: Clear blue liquid; glycol ether and ammonia odor.
3.2 Solubility in Water: Complete
3.3 pH: 11.2-11.8 (100%); 10.5-11.0 (10%)
3.4 Boiling Point: 212 deg F
3.5 Specific Gravity: 0.95-0.96

4.0 FIRE AND EXPLOSION DATA /

- 4.1 Special Fire Hazards: None
4.2 Fire Fighting Methods: Product does not support combustion.
4.3 Flash Point: 115 deg F, T.C.C., due to alcohol content.

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.
5.3 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 all sources of ignition immediately. Dike or dam large spills. Pump to containers or soak up on inert absorbent. Flush residue to sanitary sewer.
6.2 Waste Disposal: Consult state and local authorities for restrictions on disposal of chemical waste.

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7.0 HEALTH HAZARD DATA /

WARNING

- 7.1 Effects of Overexposure to Concentrate:
SKIN: Prolonged contact with concentrated product is harmful. Product may be absorbed through skin.
EYES: Causes corneal (eye) damage.
IF SWALLOWED: Harmful. Large doses may cause damage to internal organs.
IF INHALED: Damages airways and lungs, depending upon amount and duration of exposure. Effects can vary from slight irritation to bronchitis or pneumonia. People with asthma or other lung problems may be more susceptible.
- 7.2 Note: Butoxyethanol penetrates skin. In rodents, heavy doses damage red blood cells, with injury to liver, kidney and spleen. Humans and other species are more resistant. Can injure eyes.

8.0 FIRST AID /

- 8.1 Eyes: Flush immediately with plenty of cool running water. Remove contact lenses. Holding eyelids apart, 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.
- 8.4 If Inhaled: Immediately move to fresh air.

IF IRRITATION OR DISCOMFORT PERSISTS, CALL A PHYSICIAN.

9.0 PROTECTIVE MEASURES /

- 9.1 CONCENTRATE:
Eyes: Use chemical splash goggles. For continued or severe exposure, wear a face shield over the goggles.
Skin: Rubber gloves - protective cuff or gauntlet type preferred.
- 9.2 Respiratory: Ventilate to maintain air levels below limits.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

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.