

901571-01

## 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

PROFESSIONAL PRODUCTS ECOLAB INC.

370 WABASHA STREET NORTH

ST. PAUL MN 55102

Product Information: 1-800-247-5362

Issue Date: November 1, 1999

**1.0 IDENTIFICATION /****1.1 Product Name:** QC 52 GLASS CLEANER

1.2 Product Type: Liquid Glass Cleaner

1.3 Hazard Rating: Health: 2 Fire: 3 Reactivity: 0

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Substances Subject to SARA 313 Reporting Are Indicated by "#"**2.0 HAZARDOUS COMPONENTS /**

		(mg/m3)			
		CAS No.	%	PEL	TWA
2.1	Isopropyl alcohol (2-propanol, IPA)	67-63-0	20-50	980	985*
				*ACGIH STEL = 1230	
2.2	# 2-Butoxyethanol (ethylene glycol monobutyl ether) (absorbed through skin)	111-76-2	20	240	121
2.3	Propylene glycol n-propyl ether	1569-01-3	20-50	No	No

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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; alcohol odor

3.2 Solubility in Water: Mixes with water in all proportions

3.3 pH: 6.8 - 8.5 (100%)

3.4 Initial Boiling Point: 212 deg F

3.5 Specific Gravity: 0.916 @ 75 deg F

**4.0 FIRE AND EXPLOSION DATA /**

4.1 Special Fire Hazards: Flammable mixture.

4.2 Fire Fighting Methods: Use fog, alcohol-resistant foam, fine water spray, dry chemical or CO2.

4.3 Flash Point: 78 deg F (TCC)

**5.0 REACTIVITY DATA /**

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

5.2 Conditions to Avoid: High temperatures, heat, sparks, open flame.

Do not mix with any other chemicals.

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**6.0 SPILL OR LEAK PROCEDURES / WEAR PROPER PROTECTIVE EQUIPMENT**

- 6.1 Cleanup: Remove ignition sources; ventilate. Dike or dam large spills; recover free liquid. Add absorbent to spill area.
- 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 irritation.
  - Skin: Causes irritation.
  - If Swallowed: Causes irritation, nausea, stomach distress.
  - If Inhaled: High air concentrations may cause breathing difficulties, dizziness, headache, or unconsciousness.
- 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.

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**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 PERSIST, CALL A PHYSICIAN

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**9.0 PROTECTIVE MEASURES /**

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

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**10.0 ADDITIONAL INFORMATION /**

- 10.1 Purpose of 11/1/1999 issue: Correct line 1.3; QC and editorial update. Replaces May 19, 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.