

GL-501 GLASS CLEANER CONCENTRATE  
DOT: NAERG-96 Guide # - 128

Hazardous Ingredients CAS Number/List	OSHA PEL ppm	ACGIH TLV ppm	%
2-Butoxyethanol(glycol ether) 111-76-2 (SARA 313)	25 (skin)	25 (skin)	27
Isopropyl Alcohol 67-63-0	400	400	
Ammonia 7664-41-7	25	25	

Physical/Chemical Characteristics

Blue liquid. Ammonia odor. Water soluble.  
Specific Gravity = 0.92

Fire Hazard Data

Flash Point 80F. Use CO2 or water mist extinguisher.

Reactivity Data

Stable. Hazardous decomposition products: CO, CO2. Will not polymerize.

Health Hazard Data

Routes of entry: Skin, inhalation and ingestion.  
Health Hazards: (acute) Irritant. Can cause irritation to skin, eyes, and gastrointestinal system. Skin penetrant. (chronic) Prolonged contact can dry skin and upper respiratory tract. Overexposure to butoxyethanol can result in blood, lung and kidney damage.

Not listed as OSHA, NTP or IARC carcinogen.

Symptoms of exposure: Skin dryness. Lightheadedness.  
Condition aggravated by exposure: Dermatitis

Emergency and First Aid Procedures: Wash skin with running water; remove any wet clothing. Flush eyes with water for 15 minutes and get medical attention immediately. If swallowed, drink 2 glasses of water and call a physician at once.

Precautions for Safe Handling and Use

For Spills: Use absorbent. Dike and recover spilled material. Rinse spill area with clear water. Remove sources of ignition. Increase ventilation. Keep concentrated solution out of drains and sewer.

Waste Disposal: Meet provisions for flammable liquid wastes. Do not release to land, streams, sewers, or surface waters. Review all local, state, and federal regulations for disposal procedures.

Precautions for Handling and Storing: Follow storage and handling procedures for flammable liquids. Use in well ventilated area. Remove sources of ignition. Use protective equipment to prevent skin absorption.

Control Measures

Respiratory Protection: In confined space, use organic vapor respirator.

Ventilation: Local exhaust, or increased natural ventilation.

Protective Gloves: Wear waterproof gloves.

Eye Protection: Wear splash-proof goggles.

Other Equipment: As needed.

Work Practices: Avoid getting material on skin or in eyes. Avoid inhaling mist or vapor. Wash hands after use and before eating or smoking. Remove any wet clothing. Remove sources of ignition.

EPA Supplier Notification

This mixture contains the following chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372: 2-Butoxyethanol (glycol ether category), Ammonia. SARA 311/312 Hazard Categories: Immediate Health Hazard, Fire Hazard.

August, 1988

Page 2 of 2

Updated October, 1996

GL-501 GLASS CLEANER CONCENTRATE