

**MATERIAL SAFETY DATA SHEET**

**SECTION 1. IDENTIFICATION OF PRODUCT**

Name: GLASS CLEANER CONCENTRATE  
Identity: Glass Cleaner Concentrate      MSDS Number: 9005      Date: 7/1/2003      Supersedes: 6/8/2002  
TOXICITY: 2      FIRE: 0      REACTIVITY: 0      PROTECTION: B

**SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Name	CAS Number	PEL	TLV	%
2-Butoxyethanol	111-76-2	25ppm skin	25ppm skin	10

**SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point: 212° F	Specific Gravity: 0.985 ± 0.005	Vapor Pressure (mm Hg.): ND	Melting Point: ND
Vapor Density (Air = 1): ND	Evaporation (H2O = 1):1	Water Solubility: Complete	pH @ 77F: 13.00 ± 0.5
			VOCgm/L: 187

Appearance and Odor: Clear blue liquid, Cucumber Odor

**SECTION IV. FIRE AND EXPLOSION HAZARD DATA**

Flash Point (TCC): None	% LEL: ND	% UEL: ND	Flammable Limits: ND
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Extinguishing Media: Water fog, foam, carbon dioxide. Cool containers exposed to flames with water from side.

Special Fire Fighting Procedures: Prevent breathing vapors. Wear SCBA and protective clothing.

Unusual Fire and Explosion: None known

**SECTION V. HEALTH HAZARD DATA**

Route(s) of Entry: INHALATION? Yes    EYES? Yes    SKIN? Yes    INGESTION? Yes

**(Acute) Health Hazards:**

Eyes: May cause irritation or damage

Skin: Prolonged contact may irritate and cause dermatitis.

Ingestion: May cause gastric distress

Inhalation: Breathing mist may cause sneezing

(Chronic) Health Hazards: Prolonged or repeated skin contact may cause skin irritation. This product is not listed as or anticipated to be a potential carcinogen by NTP or OSHA.

**Signs and Symptoms of Exposure:**

Eyes: Redness, pain, tearing

Skin: May cause irritant reaction

Ingestion: Stomach upset

Inhalation: Occasional mild irritation effects to nose and throat may occur.

Medical Conditions Generally Aggravated by Exposure: Pre-existing contact site disorders.

**Emergency First Aid Procedures:**

Eyes: Flush eyes with large amounts of water, lifting upper and lower eyelids. If irritation persists, obtain medical attention.

Skin: Wash off with soap and water. Remove contaminated clothing and wash before reuse. If irritation persists, get medical attention.

Ingestion: Obtain immediate medical attention.

Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.

**SECTION VI. TOXICITY DATA**

Carcinogenicity: NTP? No IARC No OSHA REGULATED? No

**SECTION VII. REACTIVITY DATA**

Stability: Stable **Hazardous Polymerization Will Not Occur**  
Incompatibility (Materials to Avoid): Cleaning agents may or may not react  
Hazardous Decomposition Byproducts: Oxides of carbon & sulfur

**SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be Taken in Case Material is Released or Spilled:  
Small Spills: Mop up. Slippery on floor. Absorb liquid with absorbent material.  
Large Spills: Dike area and absorb into neutral material or pump up  
Disposal: Meet Federal, State & Local Requirements  
Handling and Storage: Store in cool, dry well ventilated area. Keep container tightly closed when not in use.  
Other Precautions: Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

**SECTION IX. CONTROL MEASURES**

Respiratory Protection: NIOSH Approved  
Ventilation: Normal indoor  
Local Exhaust: Not normally indicated when used as directed.  
Mechanical (General): Not normally indicated  
Protective Gloves: Rubber, vinyl  
Eye Protection: ANSI Z87  
Other Protective Clothing or Equipment: Long pants, sleeves, apron  
Work/Hygienic Practices: The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

**SECTION X. DOT INFORMATION**  
NOT REGULATED

**SECTION XI. MISCELLANEOUS INFORMATION**

SARA 313: 2-Butoxyethanol

Notice: All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, manufacturer makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product.

NA – Not Available

NE – Not Established

ND – Not Determined