

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: ANTISTATIC GLASS CLEANER

Additional names: GLASS CLEANER

General Use: General purpose glass and surface cleaner.

Company: UEI™ Systems, A Division of Universal Engraving, Inc.
9090 Nieman Road Overland Park, KS, USA 66214
1-800-821-8864 or 913-599-0244

Emergency Contact: 1-800-424-9300 USA and Canada
01-703-527-3887 International

2. HAZARDOUS INGREDIENTS

	CAS No.	OSHA PEL	ACGIH TLV/TWA	% by Weight
2-Butoxyethanol	111-76-2	25 ppm (skin)	25 ppm	1-10
Ethyl Alcohol	64-17-5	1000	1000	4-20
Methyl Alcohol	67-56-1	200	200	<1.0
Deionized Water	7732-18-5	-	-	70-90
Liquefied Petroleum Gas	68476-85-7 1000	1000	1-5	

Unidentified ingredients are not considered hazardous under the Federal Communication Standard.

3. HAZARDS IDENTIFICATION

Routes of Entry: Inhalation, Skin Absorption, Eyes, Ingestion.

Health Hazards (Acute and Chronic):

Inhalation effects: High concentrations may produce headache, dizziness, and nausea.
Skin: Prolonged or repeated skin contact may lead to drying, irritation, and dermatitis. Possible skin absorption.
Eyes: Eye contact may cause burning and irritation.
Ingestion: This product contains 2-Butoxyethanol, which if ingested in significant quantities may result in red blood cell hemolysis.
Carcinogenicity: Not applicable.
Symptoms of overexposure: Light-headedness, giddiness, shortness of breath, and possibly nausea.

4. FIRST AID MEASURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.

SKIN CONTACT: Remove contaminated clothing and shoes and do not re-use until cleaned. Flush skin with soap and large amounts of water for at least 15 minutes. If irritation occurs get medical attention.

EYE CONTACT: Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Get prompt medical attention.

INGESTION: Contact local poison control center or physician IMMEDIATELY.

5. FIRE FIGHTING MEASURES: Aerosol Flammability: This product is considered to be non-flammable as described in 16CFR 1500.45.

Flammable Limits-% Volume in Air (Propellant): LEL: 1.8 UEL: 9.2

Extinguishing Media: Carbon dioxide, foam, and/or dry chemical may be used.

Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding as required to protect personnel from bursting, rupturing, or venting containers.

Unusual Fire and Explosion Hazards: At elevated temperatures (over 54C, 130 F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

6. ACCIDENTAL RELEASE MEASURES: Not Applicable.

7. HANDLING AND STORAGE: Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130F (54C). Store as Level 1 Aerosol (NFPA 30B). Please read and follow the directions on the product label. They are your best guide to using this product in the most effective way and give the necessary safety precautions to protect your health.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION: Use only in a well-ventilated area. Wear chemical resistant gloves and goggles. Do not wear contact lenses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 200° F
Vapor Density (Air=1): <1
Solubility in Water: complete
Viscosity: Not Established
Melting Point: Not Determined

Vapor Pressure: 20
Specific Gravity (Water=1): 0.98
pH: NA
Evaporation Rate (n-Butyl Acetate=1): <1
Appearance: Clear, pleasantly scented liquid.

10. STABILITY AND REACTIVITY: Product is stable. Avoid elevated temperatures. Hazardous decomposition or by-products are carbon dioxide and monoxide. Does not polymerize.

11. OTHER INFORMATION: UEI™ Systems provides the information contained herein in good faith. The information is believed to be correct. However it is not all inclusive and should be used only as a guide. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. UEI™ Systems shall not be held liable for any damage resulting from handling or from contact with the product listed herein.

National Fire Rating

Health	2	0 - least
Fire	4	1 - slight
Reactivity	0	2 - moderate
Special Note	none	3 - high
		4 - extreme

Abbreviations:

PEL-Permissible Exposure Limit
TLV-Threshold Limit Value
NA-Not Applicable
TCC Tabizbue Closed Cup
LEL-Lower Explosive Limits
UEL-Upper Explosive Limits