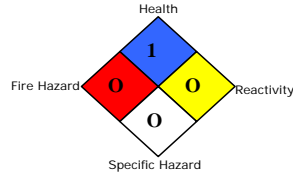




SKILCRAFT GLASS CLEANER ANTI-FOGGING

National Fire
Protection
Association(NFPA)



Hazardous Material
Information System
(HMIS)

Health	1
Fire Hazard	0
Reactivity	0

Protective Clothing

None required.

Emergency Overview:

Blue, liquid. See Section 9.

Section 1. Chemical Product and Company Identification

Product Name: **GLASS CLEANER, ANTI-FOGGING**
Product Use: Industrial: cleaning product for glass & plastic surfaces

IN CASE OF EMERGENCY:
CHEM-TEL: 800-255-3924
MSDS#: 2088
Supersedes: All before 1/05

The Lighthouse of Houston
3530 West Dallas
Houston, TX 77019
Phone: 713-526-8251
MSDS Internet Address:
www.thelighthouseofhouston.org

NSN: 7930-00-901-2088
UNIT OF ISSUE Case of 6/1 gallon bottles
GSA CONTRACT GS-07F-P0060
CAGE#: 1A862

Section 2. Composition and Information on Ingredients

Ingredients	CAS#	% by Wt	Exposure Limits	LC50/LD50
2-Butoxyethanol	111-76-2	8.00%	OSHA (United States). TWA: 120 mg/m3 ACGIH (United States). TWA: 97 mg/m3	ORAL (LD50): Acute: 506 mg/kg (Rat) DERMAL (LD50): Acute: 406 mg/kg (Rabbit). VAPOR (LC50): Acute: 450 ppm 4 hours(s) (Rat).
Silwet Surfactant	27306-78-1	0.25%	None Established	
Aqua Ammonia	1336-21-6	0.05%	ORAL (LD50): Acute:350 mg/kg (Rat)	ORAL (LD50): Acute:350 mg/kg (Rat)
Ethoxylated Nonylphenol	9016-45-9	0.25%	Not Available	
Water	7732-18-5	90-100%	Not Available	

Section 3. Hazards Identification

Routes of Entry. Inhalation.Skin contact.Eye Contact.

Eyes: None known.
Skin: None known.
Inhalation: None known.
Ingestion: None known.

Medical conditions

Aggravated by Overexposure: None known.

See *Toxicological Information (section 11)*

Section 4. First Aid Measures

Eyes: Rinse with plenty of running water. If irritation develops, get medical attention.
Skin: Rinse with plenty of water. If irritation develops, get medical attention.
Inhalation: No specific first aid measures are required.
Ingestion: No specific first aid measures are required.

Section 5. Fire Fighting Measures	
<u>Flammability of the Product</u>	None known.
<u>Flash Points:</u>	200+ Degree Fahrenheit
<u>Products of combustion</u>	None known.
<u>Fire Fighting Media and instructions</u>	Extinguish with water spray or carbon dioxide, dry chemical powder or appropriate foam. Normal fire fighting procedure may be used.
<u>Special Remarks on fire and Explosion Hazards:</u> None known.	
Section 6. Accidental Release Measures	
<u>Personal Precautions:</u>	Put on appropriate personal protective equipment (see Section 8). In the event of major spillage: use appropriate containment to avoid environmental contamination. Sweep or scrape of material. Place in suitable clean, dry containers for disposal by approved methods. Use a water rinse for final clean-up.
<u>Environmental Precautions:</u>	
Section 7. Handling and Storage	
<u>Handling:</u>	Use appropriate hygiene measure when handling product. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
<u>Storage:</u>	Store in a dry, cool and well-ventilated area. Protect from freezing. KEEP OUT OF REACH OF CHILDREN.
Section 8. Exposure Controls/Personal Protection	
Engineering Controls:	No special ventilation requirements. General room ventilation is adequate.
Personal Protection:	
<u>Eyes:</u>	No special requirements under normal use conditions.
<u>Hands:</u>	No special requirements under normal use conditions.
<u>Respiratory:</u>	No special requirements under normal use conditions.
<u>Feet:</u>	No special requirements under normal use conditions.
<u>Body:</u>	No special protective clothing is required.
Section 9. Physical and Chemical Properties	
<u>Physical State:</u>	Liquid
<u>Odor:</u>	Mild Ammoniacal type odor.
<u>Color:</u>	Blue
<u>pH:</u>	6.5 - 11.0 [Basic].
<u>Specific Gravity:</u>	1
<u>Melting/Freezing Point:</u>	0°C (32°F)
<u>VOC:</u>	7.6 # /Gal
<u>Viscosity:</u>	<19cP (Dynamic)
<u>Vapor Density:</u>	0.9 Compared to Air (Air=0)
<u>Solubility in water:</u>	Complete
Section 10. Stability and Reactivity	
<u>Stability:</u>	Stable
<u>Conditions of instability:</u>	None known.
<u>Incompatibility with Various Substances:</u>	Not available.
<u>Hazardous Decomposition Products:</u>	When exposed to fire: Produces normal products of combustion.
<u>Hazardous Polymerization:</u>	Will not occur.
Section 11. Toxicological Information	
<u>Acute Toxicity:</u>	ORAL (LD50) Estimated to be greater than 5000 mg/kg (rat)
<u>EffectsChronic Toxicity:</u>	None known
Section 12. Ecological information	
Not Available	
Section 13. Waste Disposal	
<u>Product Disposal:</u>	Follow all applicable local, state, and federal guidelines
<u>Container Disposal:</u>	Follow all applicable local, state, and federal guidelines.
Section 14. Transport Information	
DOT CLASSIFICATION	
DOT Proper Shipping Name: Cleaning, washing, buffing or polishing compounds, Liquid.	
TDG CLASSIFICATION	
TDG Proper Shipping Name: Cleaning, washing, buffing or polishing compounds, Liquid.	

Section 15. Regulatory Information

Reporting in this section is based on ingredients disclosed in Section 2.

US Regulations

Federal: CERCLA/SARA: Hazardous substances: 2-Butoxyethanol

State: New Jersey spill list: 2-Butoxyethanol

New Jersey: 2-Butoxyethanol

Massachusetts spill list: 2-Butoxyethanol

Massachusetts RTK: 2-Butoxyethanol

Pennsylvania RTK: 2-Butoxyethanol

This product is not subject to the reporting requirements under California's Proposition 65.

Registered Product Information: Not applicable.

Chemical Inventory Status: All ingredients of this product are listed or are excluded from listing on the US Toxic Substances ACT (TSCA) Chemical Substance Inventory.

Section 16. Other Information

Other Special Considerations: Not Available

Version: 1.01

Notice to Reader:

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.