

Material Safety Data Sheet

Misty Heavy Duty Glass Cleaner Ready To Use

Section 1. Chemical Product and Company Identification

Product Name Misty Heavy Duty Glass Cleaner Ready To Use

Product Number BL0124

Product Use Non-Ammoniated Glass Cleaners

Manufacturer/Supplier Amrep, Inc.
990 Industrial Park Drive
Marietta, GA 30062

Phone Number (770) 422-2071 (Mon-Fri/ 8am- 5pm ET)

D.O.T. Emergency Phone: CHEM TEL (800) 255-3924
INTERNATIONAL: +
01-813-248-0584

Date of Preparation April 27 2009

Revision Number 1.0

Section 2. Hazards Identification

Emergency overview This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CAUTION!

Keep out of reach of children.
Keep container closed during storage.

Potential Acute Health Effects Skin and eye irritant.

Routes of Entry Skin contact. INHALATION Eye Contact Ingestion.

Eyes Hazardous in case of eye contact (irritant).

Skin Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation Hazardous in case of inhalation.

Ingestion Slightly hazardous in case of ingestion.

Medical conditions aggravated by exposure: Over-exposure by inhalation may cause respiratory irritation.

Potential Chronic Health Effects Over-exposure by inhalation may cause respiratory irritation.

Carcinogenic Effects Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Target organs

Environmental effects

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
2-Butoxyethanol	111-76-2	1-5	TWA: 20 (ppm) from ACGIH (TLV) [United States] TWA: 50 (ppm) from OSHA (PEL) [United States]	ORAL (LD50): Acute: 1746 mg/kg [Rat].

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
General Advice	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
Notes to Physician	

Section 5. Fire Fighting Measures

Flammability	No specific information is available in our database regarding the flammability of this product in presence of various materials.
Fire Fighting Media and Instructions	Non-flammable substance.
Products of Combustion	Not available.
Special Remarks on Fire Hazards	N/A
Special Remarks on Explosion Hazards	
Sensitivity to Mechanical Impact	Not Available
Sensitivity to Static Discharge	Not Available
	N/A
Protection of Fire Fighters	See special remarks on Fire Hazards

Section 6. Accidental Release Measures

Personal Precautions	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Methods for Containment	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Environmental precautions	See Methods for Containment
Methods for Clean Up	See Methods for Containment

Section 7. Handling and Storage

Precautions	Avoid contact with skin and eyes. DO NOT ingest.
Incompatibility	No incompatible product according to our data base.
Storage	Keep out of the reach of children. Not for use or storage in or around the home.

Keep out of reach of children.
Keep container closed during storage.

Section 8. Exposure Controls/Personal Protection

Engineering Controls

Personal Protection

Good general ventilation should be sufficient to control airborne levels.

Eyes

Splash goggles.

Body

No special protective clothing is required.

Respiratory

Wear appropriate respirator when ventilation is inadequate.

Hands

Gloves.

Protective Clothing (Pictograms)



Exposure Limits

2-Butoxyethanol

TWA: 25 (ppm)

TWA: 50 (ppm) from OSHA (PEL) [United States]

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Pleasant.
Molecular Weight	Not applicable.	Color	Blue.
pH	10 to 11 [Basic.]		
Boiling/Condensation Point	209°F initial		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	0.972 (Water = 1)		
Vapor Pressure	25mm Hg @ 68°F		
Vapor Density	>1 (Air = 1)		
Volatility	100		
VOC	Not available.		
Evaporation Rate	>1 compared to Water		
Dispersion Properties	See solubility in water.		
Solubility	Easily soluble in cold water.		
The Product is:	Non-flammable.		
Auto-ignition Temperature	Not available.		
Flash Points	CLOSED CUP: >98.889°C (210°F).		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in presence of various materials.		

Explosion Hazards in Presence of Various Substances

Risks of explosion of the product in presence of static discharge: Not available.

Section 10. Stability and Reactivity Data

Stability The product is stable.

Incompatibility with Various Substances No incompatible product according to our data base.

Hazardous Decomposition Products Will not occur.

Section 11. Toxicological Information

Routes of Entry

Toxicity to Animals Skin contact. INHALATION Eye Contact Ingestion.

Acute Effects on Humans **WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.**

Acute oral toxicity (LD50): 1746 mg/kg [Rat]. (2-Butoxyethanol).

Acute toxicity of the gas (LC50): 926 ppm 4 hour(s) [Mouse]. (2-Butoxyethanol).

Eyes Hazardous in case of eye contact (irritant).

Skin Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation Hazardous in case of inhalation.

Ingestion Slightly hazardous in case of ingestion.

Chronic Effects on Humans Over-exposure by inhalation may cause respiratory irritation.

Special Remarks on Toxicity to Animals No additional remark.

Special Remarks on Chronic Effects on Humans No additional remark.

Section 12. Ecological Information

Ecotoxicity Not Available

BOD5 and COD Not available.

Products of Biodegradation Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation Not available.

Special Remarks on the Products of Biodegradation No additional remark.

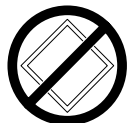
Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Not available.

Section 14. Transport Information

**DOT (U.S.A)
(Pictograms)**



TDG Classification

Not controlled under TDG (Canada).



PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

Regulatory Lists

No products were found.

Other Regulations

Not available. or of its ingredients

Other Classifications

HCS (U.S.A.)

HCS Class: Irritating substance.

USA Regulatory Lists

This product does NOT contain components that are known to the state of California to Cause Cancer or Reproductive Harm at or above California Prop 65 No Observable Effect Level (NOEL) (Safe Harbor Level).

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: 2-Butoxyethanol: immediate health hazard, delayed health hazard
SARA 313 toxic chemical notification and release reporting: 2-Butoxyethanol

DSD (EEC)

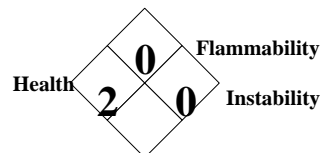
International Regulations Lists

No products were found.

Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		0
Physical Hazard		0

National Fire Protection Association (U.S.A.)



Specific Hazard

WHMIS (Classification)

WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Expiry date 3 (Three Years) from the date of preparation indicated in Section 1

Validated by CRushton on 4/27/2009.

Verified by CRushton.

Printed 4/27/2009.

Information Contact **Amrep, Inc.**
 990 Industrial Park Drive
 Marietta, GA 30062

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on 4/27/2009.

Misty Heavy Duty Glass Cleaner
Ready To Use