



GLASS & MULTI-SURFACE CLEANER



DESCRIPTION

A super concentrated glass cleaner formulated with a select blend of surfactants and water soluble solvents to speed the breakup and removal of oil and water-soluble soils on windows, glass, mirrors, ceramic, porcelain, and Formica®. Leaves a surface spotless and streakless.

[This container will produce 20.5 gallons of ready-to-use product]

DIRECTIONS

This product must be diluted before use. See your supervisor or technical sales representative for instructions for use.

FOR USE ON

Windows, Showcases, Plexiglass®, Windshields, Stainless Steel, Mirrors, Chrome, Computer Monitors, TV Screens and any washable surfaces

PRODUCT SPECIFICATIONS

Color:	Blue	Emulsification:	Excellent
Odor:	Characteristic	Detergency:	Excellent
pH (concentrate):	11 - 12	Rinsability:	Excellent
pH (ready-to-use):	8.5 - 9.5	Flash Point:	189°F (TCC)
Viscosity:	Water thin	Biodegradability:	Completely
Foam:	Low	Storage/Stability:	2 years
Abrasives:	None	Weight Per Gallon:	7.35 lbs.
Solubility:	Complete with water		

Glass Cleaners

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Supplier's Name: Misco Products Corporation
Supplier's Address: 1048 Stinson Drive Reading, PA 19605
Supplier's Phone #: (610) 926-4106
Product Name: Lock & Fill Glass & Multi-Surface Cleaner
Generic Name: Glass Cleaner Concentrate
Chemical Family: Solvent Detergent blend **Formula:** Proprietary
FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	TWA-TLV	Reportable EPA-SARA 313	Reportable CARCINOGEN
Water	7732-18-5	to 100			
Sodium Lauryl Sulfate	151-21-3	0 to 5	Not Hazardous	No	No
Ethylene Glycol Butyl Ether	111-76-2	40 to 50	25 ppm	Yes (N230)	No
Fluorocarbon Surfactant	N/A	0 to 5	Not Hazardous	No	No
Dye	N/A	0 to 5	N/A	No	No

SECTION 3-PHYSICAL DATA

Boiling Point (F): 212° F. **Specific Gravity:** 0.882 **Vapor Pressure:** 0.6 mm Hg @68F.
Vapor Density (Air=1): >1 **% Volatile:**95+ **pH:** 11.0 - 12.0 (use-dilution = 8.5 - 9.0)
Solubility in Water: Complete **Evaporation Rate (Water=1):** >1
VOC Contents: % = 47.1, lbs/gal = 3.5, gm/l = 415.1
Physical Description: Dark blue liquid with characteristic odor.

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 150° F. (Tag Closed Cup) **Hazard Class:** Class II **Pictograph**
Upper Explosion Limit: 10.6% **Lower Explosion Limit:** 1.1%
Extinguishing Media: CO₂, Dry Foam, Water Mist
Special Firefighting Procedures: Keep fire exposed containers cool with water.
Unusual Fire and Explosion Hazards: Self-contained breathing apparatus use in confined spaces.

SECTION 5-REACTIVITY DATA

Stability: Stable **Pictograph**
Hazardous Polymerization: None
Hazards Decomposition Products: Will not occur
Incompatibility (Materials to Avoid): None

SECTION 6-STORAGE AND HANDLING INFORMATION

Combustible liquid - Avoid contact with heat, spark or open flame. Eye and Skin irritant. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing of vapors or mists. Use in well-ventilated area. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Prolonged or repeated contact may cause irritation and/or dermatitis (dry Skin)
Eyes: Eye irritant. Liquid and mists may cause redness, tearing, burning discomfort.
Inhalation: Prolong or repeated breathing of concentrated vapors can cause dizziness, headache, nausea.
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Vomiting, and diarrhea expected with large doses.

First Aid Procedures:
Skin: Remove contaminated clothing. Flush with water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention immediately.
Inhalation: Get to fresh air. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Give large quantities of water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements
Ventilation Requirements: Good general ventilation should be sufficient to control airborne levels.
Protective Gloves: Waterproof gloves (rubber) recommended
Eye Protection: Safety glasses where danger of mist contact may occur.
Other Protective Equipment: Eyewash station nearby.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Ventilate area well. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways. Waste Disposal Method: Dispose of in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not disposal of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:
Yes - Fire Hazard
No - Sudden Release of Pressure Hazard
No - Reactivity Hazard
Yes - Immediate (acute) Health Hazard
No - Delayed (chronic) Health Hazard

Shipping Information (domestic shipments only):

FOR 1-GALLON CONTAINERS: Cleaning Compound, non-hazardous
FOR CONTAINERS = 1/2 GALLON: Cleaning Compound, non-hazardous

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product.