



Maintenance Solutions



Concentrated Streak Free Non-Ammoniated Glass Cleaner



For Use On:

- | | | |
|-------------|-----------------|--------------|
| Windows | Stainless Steel | Aluminum |
| Showcases | Chandeliers | Monitors |
| Plexiglass | Mirrors | T.V. Screens |
| Windshields | Chrome | |

DESCRIPTION

A concentrated high quality blend of surfactants, sequestering agents, and solvent alcohol. Formulated to quickly penetrate dust, grease, soil and smoke on all windows and other glass surfaces. Leaves glass with absolutely no residues or streaks. Ideal for use on windows, doors, mirrors, display cases, countertops and windshields. Can be used on all glass surfaces indoors or outdoors.

DIRECTIONS

Dilute 1 part of product to 10 parts of water. Apply a fine mist with an atomizing sprayer to any glass surface. Dry and polish with a soft, lint-free cloth. Best results can be obtained by using two cloths. One for drying and one for polishing.

This product meets the maximum content requirements for Volatile Organic Compounds (VOCs) as established by state and Federal regulations.

PRODUCT SPECIFICATIONS

| | | | |
|---------------------|-----------------|---------------------------------|--------------------|
| Color: | Blue | Phosphate Content: | None |
| Odor | Slight alcohol | Detergency: | Excellent |
| pH: | 11.0 - 12.0 | Biodegradability: | Complete |
| VOC Content: | 18.0% by weight | Storage/Stability: | 1 year |
| Flash Point: | 136 OF. (TCC) | Weight per Gallon: | 8.31 lbs./gal. |
| Viscosity: | Water thin | Freeze / Thaw Stability: | Keep from freezing |
| Abrasives: | None | | |

Glass Cleaners

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name:

Misco Products Corporation

Manufacturer's Address:

1048 Stinson Drive Reading, PA 19605

Manufacturer's Phone #: (610) 926-4106**Product Name:** Streak Free Concentrate**Generic Name:** Concentrated Glass Cleaner**Chemical Family:** Solvent Alcohol Blend**Formula:** Proprietary**Supplier's Name:****Supplier's Address:****Supplier's Phone #:**

SECTION 2-INGREDIENT INFORMATION

| CHEMICAL NAME | CAS NO. | WT. % | PEL | TWA-TLV | STEL-TLV |
|--------------------|-----------|----------|---------|---------|----------|
| Water | 7732-18-5 | to 100 | | | |
| Isopropyl Alcohol | 67-63-0 | 5 to 10 | 400 ppm | 400 ppm | 500 ppm |
| 2-Butoxyethanol | 111-76-2 | 10 to 15 | | 50 ppm | |
| Anionic Surfactant | 151-21-3 | 0 to 5 | | | |
| Dye | N/A | 0 to 5 | | | |

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 212 F.
Vapor Pressure: 30mm Hg @ 68 F.
% Volatile: 99+
Solubility in Water: Complete
Physical Description: Thin blue liquid with solvent/alcohol odor.
VOC Content: 18% by weight

Specific Gravity: 0.9694**Vapor Density (Air=1):** >1**pH:** 11.0-12.0**Evaporation Rate (Water=1):** >1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 136 F. (TCC)
Upper Explosion Limit: 10% **Lower Explosion Limit:** 4%
Extinguishing Media: CO₂, Dry Foam, Water Mist.
Special Firefighting Procedures: Water is very effective.
Unusual Fire and Explosion Hazards: Drums heated by fire can explode.

SECTION 5-REACTIVITY DATA

Stability: Stable**Hazards Decomposition Products:** Carbon monoxide possible if burned.**Hazardous Polymerization:** None**Incompatibility (Materials to Avoid):** Strong oxidizers.

SECTION 6-STORAGE AND HANDLING INFORMATION

Combustible liquid. Avoid contact with excessive heat, spark or open flame. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Wear protective eyewear when danger of mist contact may occur. Avoid breathing of vapors or mist.. Use in well-ventilated area. Empty container may contain explosive or flammable vapors. Keep out of reach of children.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:**Skin:** Prolonged or repeated contact may cause dermatitis.**Eyes:** Eye irritant. Liquid and mist may damage the eyes, causing corneal damage.**Inhalation:** Vapors may be irritating to the mucous membranes of the nose, throat, and lungs. Some reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.**Ingestion:** Irritating to gastrointestinal system. May cause nausea, vomiting, and diarrhea. Excessive amounts can cause blindness/death.**First Aid Procedures:****Skin:** Flush with water. Seek medical attention if irritation persists.**Eyes:** Flush with large quantities of water, holding eyelids open. Seek medical attention.**Inhalation:** Get to fresh air. Seek medical attention if irritation persists.**Ingestion:** Dilute with 2 glasses of water and induce vomiting immediately. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use in well-ventilated area.**Ventilation Requirements:** Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.**Protective Gloves:** Waterproof recommended when handling concentrate.**Eye Protection:** Chemical splash goggles when danger of mist contact will occur..**Other Protective Equipment:** Eyewash station should be provided 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. Shut off all ignition sources. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.

Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and containers should be treated as hazardous waste based on the characteristic of ignitability as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal in public sewer. Do not dispose 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:

FOR CONTAINERS > 1 Gallon : Cleaning Compound

FOR 1 GALLON CONTAINERS : Cleaning Compound

FOR CONTAINERS < 1 GALLON :Cleaning Compound

HMIS Hazardous Materials Identification System

| | |
|----------------------------|----------|
| Health | 2 |
| Flammability | 2 |
| Reactivity | 0 |
| Personal Protection | B |

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

| CAS# | Chemical Name | Percent by Weight |
|----------|-----------------|-------------------|
| 111-76-2 | 2-Butoxyethanol | 13.0 max. |

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

| CAS# | Chemical Name | Percent by Weight |
|------|---------------|-------------------|
| | None | |

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