

**Material Safety Data Sheet**  
**Glass Cleaner**

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**DATE PREPARED:** 8/3/2012  
**REVISION DATE:** 05/18/2013  
**CHEM-TEL:** 800-255-3924  
**PRODUCT NUMBER:** 2130

**SECTION I - IDENTIFICATION**

**PRODUCT NAME:** Glass Cleaner  
**PRODUCT CODE:** 2130  
**PRODUCT USE:** Glass cleaner

**SECTION II – COMPOSITION/HAZARDOUS INGREDIENTS**

HAZARDOUS INGREDIENT	CAS NUMBER	OSHA PEL	ACGIH TLV
2-Butoxyethanol	111-76-2	50 ppm	20 ppm
Ethyl Alcohol	75-28-5	1000 ppm	1000 ppm
Propane/N-Butane	68476-86-8	N/A	1000 ppm

**SECTION III – HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:** Aerosol under pressure do not expose to high temperatures 120°F or store in direct sunlight.  
**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin  
**EYES:** May cause irritation.  
**INGESTION:** Not a likely route of exposure under normal product handling conditions.  
**INHALATION:** Causes dizziness if inhaled directly or exposed to excessive amounts.  
**SKIN:** May cause mild irritation, localized defatting.  
**MEDICAL CONDITION AGGRAVATED:** None known  
**CHRONIC HEALTH HAZARDS:** None known  
**CARCINOGENICITY:**  
OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

**SECTION IV - FIRST AID MEASURES**

**EYES:** Immediately flush with water for 15 - 20 minutes while holding eyelids open. Seek medical attention if irritation persists.  
**INGESTION:** Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Drink large quantities (1 qt, 2-4 glasses) of warm water. Seek immediate medical attention.  
**INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.  
**SKIN:** Immediately wash with soap and water for 15 minutes. Seek medical attention if irritation develops.  
**NOTE TO PHYSICIAN:** None

**SECTION V – FIRE-FIGHTING MEASURES**

**FLASH POINT:** Not Tested  
**FLAMMABLE LIMITS IN AIR, (% BY VOLUME) UPPER:** N/A **LOWER:** N/A  
**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, alcohol foam, and water spray or fog.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Contents under pressure. Exposure to temperatures above 120°F may cause bursting.  
**HAZARDOUS COMBUSTION PRODUCTS:** None known

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**SECTION VI – ACCIDENTAL RELEASE MEASURES**

**SPILL:** Use non-combustible material like vermiculite, sand or earth on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

**RCRA STATUS:** Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

**SECTION VII – HANDLING AND STORAGE**

**HANDLING AND STORAGE:** Store in a cool, dry area. Do not use or store near heat or open flames. Exposure to temperatures above 120°F may cause bursting.

**OTHER PRECAUTIONS:** None

**SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS / VENTILATION:** Ambient ventilation suitable, forced ventilation should not be required

**RESPIRATORY PROTECTION:** Not required with normal use.

**PROTECTIVE CLOTHING:** None

**ADDITIONAL MEASURES:** Follow normal hygiene practices

**EXPOSURE GUIDELINES:** N/A

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** White Foam

**PHYSICAL STATE:** Liquid

**FREEZING POINT:** Not Tested

**VAPOR DENSITY (AIR=1):** 1

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 0.99

**SOLIDS (%):** Not tested

**VOLATILITY INCLUDING WATER (%):** 100%

**DIELECTRIC STRENGTH (Volts):** N/A

**ODOR:** Pleasant scent

**BOILING POINT:** 212°F (100°C)

**VAPOR PRESSURE (mm Hg):** 17.5 @ 77°F (25°C)

**EVAPORATION RATE:** < 0.8 (Slow)

**pH:** 9.6

**SOLUBILITY IN WATER:** 100%

**VOLATILE ORGANIC COMPOUNDS (VOC):** 8.5 %

**SECTION X – STABILITY AND REACTIVITY DATA**

**CHEMICAL STABILITY:** Stable

**CONDITIONS TO AVOID:** Temperatures greater than 120°F may cause bursting.

**INCOMPATIBILITY:** Strong oxidizers, Alkalies, Acids

**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** None known

**HAZARDOUS POLYMERIZATION:** Will not occur

**SECTION XI – TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:** 2-Butoxyethanol (111-76-2) LD<sub>50</sub>(Oral, Rat) 470 mg/kg; Inhalation rat LC<sub>50</sub> (Inhalation, Rat, 4hr) 450 ppm; LD<sub>50</sub> (Dermal, Rabbit) 220 mg/kg; investigated as a tumorigen, mutagen, reproductive effector. Reproductive Toxicity: Has shown teratogenic effects in laboratory animals.

**SECTION XII – ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** Ethyl Alcohol (64-17-5) LC<sub>50</sub> (Fish, 96hr) 12,900-15,300 mg/L; LC<sub>50</sub> (Bacteria, 24hr) 11,200 mg/L; EC<sub>50</sub> (Bacteria, 5-30 min) 34,900 mg/L 2-Butoxy Ethanol (111-76-2) Toxic to aquatic life only in high concentrations, lethal concentrations not available.

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**SECTION XIII – DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

**RCRA STATUS:** Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

**SECTION XIV - TRANSPORTATION INFORMATION**

**PROPER SHIPPING NAME:** Non-corrosive Cleaning Compound

**HAZARD CLASS/DIVISION:** ORM-D

**PACKAGING GROUP:**

**AIR SHIPMENT**

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty. Class 2

**HAZARD CLASS/DIVISION:** 2.1

**UN/NA NUMBER:**

UN 1950

**SHIPPING BY WATER:**

**VESSEL (IMO/IMDG)**

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty. Class 2

**UN/NA NUMBER:** UN 1950

**HAZARD CLASS/DIVISION:** 2.1

**NOTE:**

**SECTION XV - REGULATORY INFORMATION**

**TSCA STATUS:** All Chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None

**SARA 311/312 HAZARD CATEGORIES:** 2-Butoxyethanol (111-76-2) Acute health hazard, Chronic health hazard. Ethyl Alcohol (64-17-5) Acute Health, Chronic Health, Fire

**SARA 313 REPORTABLE INGREDIENTS:** 2-Butoxyethanol (111-76-2) 1%

**CLEAN WATER ACT:** None

**STATE REGULATIONS:** This product contains no known chemicals regulated by California's proposition 65. New Jersey's Worker and community Right to Know Act: 2-BUTOXY ETHANOL - 111-76-2; Massachusetts' Right to Know Law: 2-BUTOXY ETHANOL - 111-76-2 Pennsylvania's Right to Know Act: 2-BUTOXY ETHANOL - 111-76-2;

**INTERNATIONAL REGULATIONS:** 2-Butoxyethanol (111-76-2) Europe (EINECS), Japan (ENCS), Australia (AICS), WHMIS (Canada), DSCL (EEC), NDSL, Korea (ECL), Philippines (PICCS), New Zealand (NZIOC), China (IECS).

**NFPA HEALTH:** 1  
**NFPA FLAMMABILITY:** 1  
**NFPA REACTIVITY:** 1  
**NFPA OTHER:** N/A

**HMIS HEALTH:** 1  
**HMIS FLAMMABILITY:** 0  
**HMIS REACTIVITY:** 1  
**HMIS PROTECTION:** A

**SECTION XVI - ADDITIONAL INFORMATION**

**PREPARATION BY:** John Holdren

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