

# SAFETY DATA SHEET

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## 1. IDENTIFICATION

**PRODUCT NAME: BLUE X GLASS & SURFACE CLEANER****RECOMMENDED USE:** WINDOW CLEANER**RESTRICTIONS ON USE:** DO NOT USE IN A MANNER INCONSISTENT WITH THE LABEL.**LABEL BRAND:** UNISOURCE**CODE U22652, 10296014, 3750667****SDS 5164709C****U22653v2, 10615914, 3750675**

**EMERGENCY TELEPHONE:** 1-888-660-6737 USA (24/7)  
**PRODUCT INFORMATION:** 1-800-864-7687 USA (8AM-5PM)  
**INTERNET ADDRESS:** [WWW.UNISOURCEWORLDWIDE.COM](http://WWW.UNISOURCEWORLDWIDE.COM)

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**UNISOURCE WORLDWIDE, INC.**  
6600 GOVERNORS LAKE PARKWAY  
NORCROSS, GA 30071 USA

## 2. HAZARD(S) IDENTIFICATION

**CLASSIFICATION:** FLAMMABLE LIQUIDS (CATEGORY 4)**LABEL ELEMENTS****SIGNAL WORD:** WARNING**PICTOGRAMS:** NONE**HAZARD STATEMENTS:** COMBUSTIBLE LIQUID.**PRECAUTIONARY STATEMENTS:** Keep away from flames and hot surfaces. No smoking. Keep container tightly closed.

**FIRST AID: IF IN EYES:** Flush with plenty of water. If irritation occurs and persists, get medical attention. **IF ON SKIN:** Flush with plenty of water. If irritation occurs and persists, get medical attention. **IF SWALLOWED:** Rinse mouth. If conscious, dilute by drinking up to a cupful of milk or water as tolerated.

**EMERGENCY TELEPHONE:** 1-888-660-6737**Storage:** Store in a well-ventilated place. Keep cool.**Disposal:** Dispose of contents in accordance with all federal, state and local applicable laws and regulations.**KEEP OUT OF REACH OF CHILDREN. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.****HAZARDS NOT OTHERWISE CLASSIFIED:** Not applicable.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT(S)	CAS #	VOLUME %
2-BUTOXYETHANOL	111-76-2	2.3
ISOPROPYL ALCOHOL	67-63-0	0.7

**STATE RIGHT TO KNOW:** SEE SECTION 15 FOR STATE RTK CHEMICAL NAMES IN MIXTURE.

#### 4. FIRST-AID MEASURES

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**IF IN EYES:** FLUSH WITH PLENTY OF WATER. IF IRRITATION OCCURS AND PERSISTS, GET MEDICAL ATTENTION.

**IF ON SKIN:** FLUSH WITH PLENTY OF WATER. IF IRRITATION OCCURS AND PERSISTS, GET MEDICAL ATTENTION.

**IF SWALLOWED:** RINSE MOUTH. IF CONSCIOUS, DILUTE BY DRINKING UP TO A CUPFUL OF MILK OR WATER AS TOLERATED.

**IF INHALED:** NO SPECIFIC FIRST AID MEASURES ARE REQUIRED.

**EMERGENCY TELEPHONE:** 1-888-660-6737

**MOST IMPORTANT SYMPTOMS / EFFECTS:** MAY BE MILDLY IRRITATING TO EYES.

**MEDICAL CONDITIONS AGGRAVATED:** NONE KNOWN.

**NOTE TO PHYSICIAN:** CALL 1-888-660-6737 FOR EXPOSURE MANAGEMENT ASSISTANCE.

#### 5. FIRE-FIGHTING MEASURES

**CHEMICAL HAZARDS:** COMBUSTIBLE. ALTHOUGH THIS PRODUCT HAS A FLASH POINT BELOW 200°F, IT IS AN AQUEOUS SOLUTION WHICH HAS BEEN TESTED AND SHOWN NOT TO SUSTAIN COMBUSTION.

**COMBUSTION PRODUCT HAZARDS:** OXIDES OF CARBON AND OTHER FUMES.

**METHODS:** SELECT EXTINGUISHER AND METHODS BASED ON FIRE SIZE AND TYPE.

**EQUIPMENT:** WEAR SCBA AND FULL PROTECTIVE GEAR AS CONDITIONS WARRANT.

**NFPA RATING:** HEALTH-1/FLAMMABILITY-1/ INSTABILITY-0/SPECIAL HAZARD-N.A.P.

**SUITABLE EXTINGUISHERS:** WATER, DRY CHEMICAL, CO2 OR FOAM SUITABLE FOR FIRE.

**UNSUITABLE EXTINGUISHERS:** NO RESTRICTIONS BASED ON CHEMICAL HAZARDS.

#### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** ELIMINATE ALL IGNITION SOURCES.

EVACUATE UNPROTECTED PERSONNEL FROM AREA. WEAR PROPER PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS. VENTILATE AREA IF NEEDED. BE CAREFUL AS SPILLS ARE SLIPPERY. WASH THOROUGHLY AFTER CLEAN-UP.

**ENVIRONMENTAL PRECAUTIONS:** ELIMINATE ALL IGNITION SOURCES.

PREVENT SPILL FROM ENTERING DRAIN, STORM SEWER OR SURFACE WATERWAY. PREVENT WATER AND SOIL CONTAMINATION.

**CLEAN-UP METHODS:** ELIMINATE ALL IGNITION SOURCES. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. SMALL SPILLS MAY BE WIPED UP AND RINSED WITH WATER. FOR LARGER SPILLS, DIKE TO CONTAIN. PUMP TO LABELED CONTAINER OR ABSORB SPILLAGE AND SCOOP UP WITH INERT ABSORBENT MATERIAL. AFTER SPILL COLLECTION, RINSE AREA WITH WATER AND FOLLOW WITH NORMAL CLEAN-UP PROCEDURES.

#### 7. HANDLING AND STORAGE

**HANDLING:** FOLLOW ALL LABEL DIRECTIONS. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES. AVOID INGESTION AND CONTACT WITH EYES. DO NOT TASTE OR SWALLOW. PRODUCT RESIDUE MAY REMAIN ON OR IN EMPTY CONTAINERS. HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER.

**STORAGE:** KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN A WELL-VENTILATED PLACE. KEEP AWAY FROM HEAT, SPARK AND FLAME. STORAGE AT AMBIENT TEMPERATURES IN A DRY AREA OUT OF DIRECT SUNLIGHT. PROTECT FROM FREEZING. ROTATE STOCK REGULARLY. KEEP AWAY FROM FOOD AND DRINK. KEEP OUT OF CHILDREN'S REACH.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**EXPOSURE LIMITS:**

2-BUTOXYETHANOL=20 PPM TWA (ACGIH), 50 PPM TWA-SKIN, 240 MG/M3 TWA-SKIN (OSHA)  
ISOPROPYL ALCOHOL = 200 PPM TWA, 400 PPM STEL (ACGIH), 400 PPM TWA (OSHA)

**ENGINEERING CONTROLS:** NONE REQUIRED. GENERAL ROOM VENTILATION IS ADEQUATE.

**PERSONAL PROTECTION**

**EYES:** NONE REQUIRED WITH NORMAL USE.

**HANDS:** N.AP.

**RESPIRATORY:** N.AP.

**FEET:** N.AP.

**BODY:** N.AP.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** BLUE LIQUID

**ODOR:** AMMONIA

**pH CONCENTRATE:** 9.7

**pH @ 2500 PPM SOLUTION:** N.AV.

**pH @ USE DILUTION:** N.AV.

**PHYSICAL STATE:** LIQUID

**RELATIVE DENSITY (WATER):** 1.000

**SOLUBILITY (WATER):** COMPLETE

**VAPOR PRESSURE:** N.AV.

**VAPOR DENSITY:** N. AV.

**VISCOSITY:** NON-VISCOUS

**AUTO-IGNITION TEMPERATURE:** N.AV.

**DECOMPOSITION TEMPERATURE:** N.AV.

**EXPLOSIVE LIMITS (LEL/UEL):** N.AP.

**EVAPORATION RATE:** N.AV.

**FLAMMABILITY (SOLID, GAS):** N.AP.

**FLASH POINT:** 86.1°C, 187°F TCC

**INITIAL BOILING POINT/RANGE:** N.AV.

**MELTING POINT/FREEZING POINT:** N.AV.

**ODOR THRESHOLD:** N.AV.

**PARTITION COEFF. (N-OCTANOL/WATER):** N.AV.

**OTHER:** N.AV.

**10. STABILITY AND REACTIVITY**

**REACTIVITY:** NO HAZARD.

**CHEMICAL STABILITY:** STABLE.

**POSSIBILITY OF HAZARDOUS REACTIONS:** SEE REACTIVITY. WILL NOT POLYMERIZE.

**CONDITIONS TO AVOID:** AVOID HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES.

**MATERIALS TO AVOID:** AVOID MIXING DIRECTLY WITH ANY OTHER CLEANING PRODUCT.

**HAZARDOUS DECOMPOSITION PRODUCTS:** NONE UNDER NORMAL CONDITIONS.

**11. TOXICOLOGICAL INFORMATION**

**ROUTES OF EXPOSURE:** EYES, SKIN, INGESTION, INHALATION.

**INFORMATION ON ROUTES OF EXPOSURE:** NO LC50/LD50 TEST DATA ON MIXTURE.

**ACUTE EFFECTS/SYMPTOMS**

**EYES:** MAY BE MILDLY IRRITATING TO EYES. MAY CAUSE REDNESS AND WATERING.

**SKIN:** NO ADVERSE EFFECTS WITH NORMAL USE.

**INGESTION:** MAY CAUSE ABDOMINAL DISCOMFORT, NAUSEA, VOMITING AND DIARRHEA.

**INHALATION:** NONE KNOWN.

**CHRONIC / OTHER EFFECTS:** NO REPORTABLE GERM CELL MUTAGENS, SKIN SENSITIZERS, RESPIRATORY SENSITIZERS, REPRODUCTIVE TOXINS OR ASPIRATION HAZARDS.

**SPECIFIC TARGET ORGANS (SINGLE/REPEATED):** NONE KNOWN.

**NUMERICAL MEASURES OF TOXICITY:** ATEmix (ORAL-RAT) = ABOVE 5000 MG / KG

**CARCINOGENS:** NO REPORTABLE ACGIH, IARC, NTP, OR OSHA CARCINOGENS.

**12. ECOLOGICAL INFORMATION**

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**ECOTOXICITY / CHEMICAL FATE:** NOT AVAILABLE**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** DISPOSE OF CONTENTS IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL APPLICABLE LAWS AND REGULATIONS. CONSULT STATE AND LOCAL AUTHORITIES FOR RESTRICTIONS ON DISPOSAL OF CHEMICAL WASTE. MANAGE CHEMICAL WASTES THROUGH AN APPROVED WASTE TREATMENT FACILITY. DO NOT REUSE EMPTY CONTAINER. RINSE EMPTY CONTAINER THOROUGHLY WITH WATER BEFORE DISCARDING CONTAINER IN ACCORDANCE WITH CURRENT LOCAL COMMUNITY CODES. PLEASE RECYCLE EMPTY CONTAINER WHENEVER POSSIBLE.

**14. TRANSPORT INFORMATION****DOT / IMDG / IATA / TDG:** NOT REGULATED**15. REGULATORY INFORMATION**

**EPA CERCLA RQ:** NO  
**EPA REGISTERED:** NO  
**OSHA HAZARDOUS:** YES  
**PHOSPHORUS CONTENT:** 0.00%  
**PROPOSITION 65:** NO  
**SARA 311/312 HAZARDS:** FIRE  
**SARA 313 CHEMICALS:** 2-BUTOXYETHANOL  
**STATE RIGHT TO KNOW:** WATER/7732-18-5, 2-BUTOXYETHANOL/111-76-2, ISOPROPYL ALCOHOL/67-63-0, AMMONIUM HYDROXIDE/1336-21-6  
**TSCA INVENTORY STATUS:** ALL COMPONENTS ARE LISTED ON THE INVENTORY.  
**VOC:** 3.00% CALCULATION METHOD USED IS BASED ON CALIFORNIA ARB STANDARD.

**16. OTHER INFORMATION**

**PREPARATION DATE:** 6-6-14 **PREPARED BY:** RC **REVISED SECTION:** 16  
**ABBREVIATIONS:** N.AV. = NOT AVAILABLE N.AP. = NOT APPLICABLE

**NOTICE TO READER**

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