

1. IDENTIFICATION

PRODUCT NAME: GLASS CLEANER
RECOMMENDED USE: GLASS CLEANER
RESTRICTIONS ON USE: DO NOT USE IN A MANNER INCONSISTENT WITH THE LABEL.
LABEL BRAND: IND/COM
SDS 064158US CODE 064158

U S CHEMICAL 316 HART STREET WATERTOWN, WI 53094 USA
MEDICAL EMERGENCY: 1-866-836-8855 USA
SPILL EMERGENCY: 1-800-424-9300 USA
PRODUCT INFORMATION: 1-800-558-9566 USA (8 A.M. TO 5 P.M. CST MONDAY TO FRIDAY)
INTERNET ADDRESS: WWW.USCHEMICAL.COM

2. HAZARD(S) IDENTIFICATION

CLASSIFICATION: GASES UNDER PRESSURE (COMPRESSED GAS)
EYE IRRITATION (CATEGORY 2B)



LABEL ELEMENTS

SIGNAL WORD: WARNING

PICTOGRAMS: GAS CYLINDER

HAZARD STATEMENTS: CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED. CAUSES EYE IRRITATION.

PRECAUTIONARY STATEMENTS: Avoid contact with eyes, skin, and clothing. Wash hands and affected areas thoroughly after handling. Pressurized container: Do not pierce or burn, even after use.

FIRST AID: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical attention. **IF ON SKIN:** Wash with plenty of water. If skin irritation occurs and persists, get medical attention. **IF SWALLOWED:** Rinse mouth. In the unlikely event of swallowing, contact a physician or poison control center. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.

EMERGENCY TELEPHONE: 1-866-836-8855

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C (122°F). Store in a well-ventilated place.

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 #	WEIGHT %
ETHYL ALCOHOL	64-17-5	2.5 – 10.0
2-BUTOXYETHANOL	111-76-2	2.5 – 10.0
PROPANE	74-98-6	1.0 – 2.5
BUTANE	106-97-8	1.0 – 2.5
EXACT PERCENTAGES ARE BEING WITHHELD AS TRADE SECRET INFORMATION.		

STATE RIGHT TO KNOW: SEE SECTION 15 FOR STATE RTK CHEMICAL NAMES IN MIXTURE.
INGREDIENT DISCLOSURE: FOR MORE INGREDIENT INFORMATION VISIT www.uschemical.com

4. FIRST-AID MEASURES

IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING FOR AT LEAST 15 MINUTES. IF EYE IRRITATION PERSISTS, GET MEDICAL ATTENTION.

IF ON SKIN: WASH WITH PLENTY OF WATER. IF SKIN IRRITATION OCCURS AND PERSISTS, GET MEDICAL ATTENTION. **IF SWALLOWED:** RINSE MOUTH. IN THE UNLIKELY EVENT OF SWALLOWING, CONTACT A PHYSICIAN OR POISON CONTROL CENTER.

IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

EMERGENCY TELEPHONE: 1-866-836-8855

MOST IMPORTANT SYMPTOMS / EFFECTS: CAUSES EYE IRRITATION.

MEDICAL CONDITIONS AGGRAVATED: NONE KNOWN.

NOTE TO PHYSICIAN: CALL 1-866-836-8855 FOR EXPOSURE MANAGEMENT ASSISTANCE.

5. FIRE-FIGHTING MEASURES

CHEMICAL HAZARDS: AEROSOL. CONTENTS UNDER PRESSURE. CAUSES EYE IRRITATION. PRESSURIZED CONTAINER MAY EXPLODE WHEN EXPOSED TO HEAT OR FLAME.

COMBUSTION PRODUCT HAZARDS: OXIDES OF CARBON AND OTHER FUMES.

METHODS: SELECT EXTINGUISHER AND METHODS BASED ON FIRE SIZE AND TYPE. COOL CONTAINERS EXPOSED TO HEAT WITH WATER SPRAY AND REMOVE CONTAINER IF NO RISK IS INVOLVED.

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

NFPA RATING: HEALTH-2/FLAMMABILITY-2/ INSTABILITY-2/SPECIAL HAZARD-N.AP.

SUITABLE EXTINGUISHERS: WATER FOG OR MIST SUITABLE FOR FIRE.

UNSUITABLE EXTINGUISHERS: DO NOT USE WATER JET AS THIS WILL SPREAD FIRE.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: EVACUATE UNPROTECTED PERSONNEL FROM AREA. WEAR PERSONAL PROTECTION INCLUDING RUBBER BOOTS. SEE SECTION 8. VENTILATE AREA IF NEEDED. BE CAREFUL NOT TO SLIP. WASH THOROUGHLY AFTER CLEAN-UP.

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

CLEAN-UP METHODS: REMOVE ALL IGNITION SOURCES. IF CONTAINERS BEGIN TO LEAK THROUGH PUNCTURE OR DEFECTIVE PACKAGING, ALLOW IT TO DISCHARGE COMPLETELY IN A WELL VENTILATED AREA. 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: PRESSURIZED CONTAINER. DO NOT PIERCE OR BURN EVEN AFTER USE. DO NOT USE IF SPRAY BUTTON IS MISSING OR DEFECTIVE. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES. AVOID INHALATION, INGESTION, AND CONTACT WITH EYES, SKIN AND CLOTHING. INTENTIONAL MISUSE BY CONCENTRATING AND INHALING THE PRODUCT CAN BE HARMFUL OR FATAL. USE IN A WELL-VENTILATED PLACE. AVOID SPRAYING TOWARDS FACE. AVOID OVERSPRAY DURING USE. HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER.

STORAGE: PRESSURIZED CONTAINER. PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50°C (122°F). STORE IN A WELL-VENTILATED PLACE. DO NOT PUNCTURE, INCINERATE OR CRUSH. KEEP AWAY FROM INCOMPATIBLE MATERIALS. KEEP FROM FREEZING. STORE AS LEVEL 1 AEROSOL (NFPA 30B).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE LIMITS: ETHYL ALCOHOL = 1000 PPM STEL (ACGIH), 1000 PPM TWA (OSHA)
 2-BUTOXYETHANOL = 20 PPM TWA (ACGIH), 50 PPM (240 MG/M3) TWA-SKIN (OSHA)
 PROPANE = 1000 PPM TWA (OSHA), 1800 MG/M3 TWA (OSHA)
 BUTANE = 1000 PPM STEL (ACGIH)

ENGINEERING CONTROLS: GENERAL ROOM VENTILATION IS TYPICALLY ADEQUATE.

PERSONAL PROTECTION

EYES: PROTECTIVE EQUIPMENT NOT REQUIRED WITH NORMAL USE.

HANDS: PROTECTIVE EQUIPMENT NOT REQUIRED WITH NORMAL USE.

RESPIRATORY: PROTECTIVE EQUIPMENT NOT REQUIRED WITH NORMAL USE.

NIOSH/MSHA CERTIFIED RESPIRATOR IF EXPOSURE LIMITS ARE EXCEEDED.

FEET / BODY: PROTECTIVE EQUIPMENT NOT REQUIRED WITH NORMAL USE.

HYGIENE MEASURES: HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. WASH HANDS AND AFFECTED AREAS THOROUGHLY AFTER HANDLING.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: PALE YELLOW LIQUID*

ODOR: FLORAL

pH CONCENTRATE: N.AP.

pH READY-TO-USE: 10.0

pH @ USE DILUTION: N.AP.

PHYSICAL STATE: LIQUID+GAS (AEROSOL)

RELATIVE DENSITY (WATER): 0.978

SOLUBILITY (WATER): COMPLETE

VAPOR PRESSURE: 70 to 90 PSIG @20°C

VAPOR DENSITY: N. AV.

VISCOSITY: NON-VISCOUS

AUTO-IGNITION TEMPERATURE: N.AV.

DECOMPOSITION TEMPERATURE: N.AV.

EXPLOSIVE LIMITS (LEL/UEL): N.AV.

EVAPORATION RATE: N.AV.

FLAMMABILITY (SOLID, GAS): NON-FLAMMABLE AEROSOL

FLASH POINT: N.AV.

INITIAL BOILING POINT/RANGE: 78°C

MELTING POINT/FREEZING POINT: N.AV.

ODOR THRESHOLD: N.AV.

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

OTHER: * SPRAY AEROSOL

AEROSOL SPRAY ENCLOSED SPACE DEFLAGRATION DENSITY: ABOVE 2.52 g/cm3 TESTED

AEROSOL SPRAY IGNITION DISTANCE: BELOW 15 CM TESTED

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE.

REACTIVITY: NO HAZARD.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE KNOWN. WILL NOT POLYMERIZE.

CONDITIONS TO AVOID: DO NOT STORE ABOVE 50°C OR 122°F. KEEP AWAY FROM HEAT, DIRECT SUNLIGHT, OPEN FLAMES OR SPARKS. AVOID SPRAYING ON HOT SURFACES.

FIRE, INTENSE HEAT OR DROPPING MAY CAUSE VIOLENT RUPTURE OF AEROSOL CAN.

MATERIALS TO AVOID: AVOID CONTACT WITH OTHER CLEANING PRODUCTS.

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: CAUSES EYE IRRITATION. MAY CAUSE DISCOMFORT, REDNESS AND WATERING.

SKIN: MAY BE MILDLY IRRITATING TO SENSITIVE SKIN. MAY CAUSE DRY SKIN.

INGESTION: MAY CAUSE IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

INHALATION: NO ADVERSE EFFECTS WITH NORMAL USE.

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: ATE_{mix} (ORAL-RAT) = ABOVE 2000 MG / KG

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

12. ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: OSHA WILL NOT BE ENFORCING INFORMATION REQUIREMENTS IN SECTION 12, AS THIS AREA IS NOT UNDER ITS JURISDICTION.

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. PRESSURIZED CONTAINER: DO NOT PIERCE OR BURN, EVEN AFTER USE. DO NOT INCINERATE. WHEN CONTENTS ARE DEPLETED CONTINUE TO DEPRESS BUTTON UNTIL ALL GAS IS EXPELLED. AEROSOL CYLINDER IS NOT REFILLABLE. GIVE TO A DISPOSAL SERVICE EQUIPPED TO SAFELY DISPOSE OF PRESSURIZED CONTAINERS. PLEASE RECYCLE PACKAGING WHENEVER POSSIBLE. SEE SECTION 8 FOR EXPOSURE CONTROLS/PERSONAL PROTECTION TO MINIMIZE EXPOSURE.

14. TRANSPORT INFORMATION

DOT / IMDG / TDG: UN1950, AEROSOLS, 2.2, LTD. QTY.

15. REGULATORY INFORMATION

EPA CERCLA RQ: NO
EPA REGISTERED: NO
OSHA HAZARDOUS: YES. SEE SECTION 8 TO MINIMIZE EXPOSURE.
PHOSPHORUS CONTENT: 0.00%
PROPOSITION 65: NO
SARA 311/312 HAZARD CATEGORIES: SEE SECTION 2 FOR GHS HAZARD CLASSES.
SARA 313 CHEMICALS: 2-BUTOXYETHANOL
STATE RIGHT TO KNOW: WATER/7732-18-5, ETHANOL/64-17-5, BUTOXYETHANOL/111-76-2, PROPANE/74-98-6, BUTANE/106-97-8, TERT-BUTANOL/75-65-0
TSCA INVENTORY STATUS: ALL COMPONENTS ARE LISTED ON THE INVENTORY.
USE DILUTION: READY-TO-USE
VOC: 9.77% CALCULATION METHOD USED IS BASED ON CALIFORNIA ARB STANDARD.

16. OTHER INFORMATION

PREPARATION DATE: 2-16-24 **PREPARED BY:** RC **REVISED SECTION:** 16
ABBREVIATIONS: N.AV. = NOT AVAILABLE N.AP. = NOT APPLICABLE

NOTICE TO READER

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