

SECTION 1: Identification

Product identifier: Glass Cleaner

Other means of identification: Glass Cleaner

SDS number: 1388

Recommended use: Glass cleaner

Recommended restrictions: Not for personal care

Manufacturer/Importer/Supplier/Distributor information

Company name: UNX Industries, Inc.

Address: 707 Arlington Blvd
Greenville, NC 27858

Telephone: Office hour (Mon-Fri)
8:00a.m. – 4:00p.m. (Eastern Time)
OFFICE NUMBER: 252-756-8616

E-mail: unx@unxinc.com

Emergency phone number: CHEMTEL (800) 255-3924 (24 HOURS)

SECTION 2: Hazard(s) identification

Classification of the substance or mixture:

Physical hazards

Flammable liquid Category 2

Health hazards

Acute toxicity, Oral/Dermal/Inhalation: Category 4

Serious eye damage/eye irritation: Category 2A

Label elements:



Signal word: Warning

Hazard statements

H225 Highly flammable liquid and vapour.

H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

H319 Causes serious eye irritation.

SECTION 2: Hazard(s) identification (continue)**Precautionary statements****Prevention**

- P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read label before use.
 P210 Keep away from heat/sparks/ open flames/ hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P235 Keep cool.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breath dust/fume/gas/mist/vapors/spray.
 P264 Wash hands, arms, face and exposed skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this products.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.

Storage:

- P403+P235 Store in a well-ventilated place. Keep cool.

Disposal:

- P501 Dispose of contents/container in accordance with local/ regional/ national/ international Regulations.

Hazard(s) not otherwise Classified (HNOC) Not classified

SECTION 3: Composition/information on ingredients**Substance/Mixture**

Chemical name	CAS Number	Concentration (%)
Water	7732-18-5	50-65
Propan-2-ol	67-63-0	20-35
Alcohols, C12-16, ethoxylated	68551-12-2	1-5

SECTION 4: First-aid measures

Non-emergency personnel

General advice: safely remove victims from the danger zone. Provide emergency services with this safety data sheet.

Eye contact: rinse with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin contact: rinse with plenty of water while removing any contaminated clothing. For small amounts of exposure, get medical attention if any discomfort or symptoms persists. For large amounts of exposure, get medical attention immediately.

Ingestion: rinse mouth with plenty of water if the person is conscious. Do not induce vomiting unless directed by medical personnel. Get medical attention immediately.

Inhalation: bring victim out to fresh air. If the victim is not breathing, give artificial respiration. In case of unconsciousness, place the person on their side for transport, get medical attention immediately.

Emergency personnel

Personal Protection: refer to Section 8 for specific personal protective equipment

Notes to physician: the concentration and length of exposure impacts the severity of the symptoms.

Most important symptoms/effects, acute and delayed:

Refer to Section 2 for hazards and Section 11 for information on health effects and symptoms. Treat symptomatically.

Indication of immediate medical attention and special treatment needed, if necessary: provide general supportive measures. Eye contact, inhalation, and ingestion cases should be treated immediately. Have procedures and facilities in place to treat these cases of exposure

SECTION 5: Fire-fighting measures

Suitable extinguishing media: In case of a small fire, use dry chemicals, carbon dioxide, foam, or inert gas. In case of a large fire, use foam, water fog or water spray. Water fog and spray both effective in cooling containers and adjacent structures, but there is a potential for it to cause frothing and/or not extinguish the fire. Water can be used to cool external walls of vessels to prevent excessive pressure, autoignition and/or explosion.

Unsuitable extinguishing media: do not use a water jet as this can spread the fire. Do not use carbon dioxide in enclosed spaces with insufficient ventilation.

Specific hazards arising from the chemical: flammable liquid and vapors that can be ignited by static spark. Do not breathe in any fumes caused by the fire/explosion. Containers can melt from the heat of fire and the combustible packaging material may provide fuel for the fire. Withdraw immediately in cases of rising sound from venting safety device or discoloration of tanks. For massive fire in cargo, use unmanned hose holder or monitor nozzles. If not, withdraw and let fire burn out.

SECTION 5: Fire-fighting measures (Continued)

Special Protective equipment for fire fighters: wear full protective airtight garment and NIOSH approved self-contained breathing apparatus with independent air-supply. Fight the fire in early stages if safe to do so. Provide sufficient ventilation and be aware of hydrogen generation upon reactions with some metals. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: ventilate and restrict access to the area of leak or spill. Have emergency procedures in place for treating incidents, evacuation and informing the emergency services. Refer to Section 8 for personal protective equipment.

Environment precautions: clean up spills/leaks immediately and prevent it from spreading. Large or uncontrolled spills to water systems must be reported to appropriate regulatory body.

Methods and materials for containment and cleaning up: absorb spills with non-combustible absorbent. Dam and absorb with sand, earth or other inert material for large spills/leaks. Collect spillage in containers with labeled contents and dispose according to local regulations. Flush the contaminated area with lots of water.

SECTION 7: Handling and Storage

Precautions for safe handling: Refer to Section 8 for personal protective equipment. Do not eat, drink or smoke when handling the product. Avoid skin and eye contact. Follow general hygiene routines after working with the product. When handling large amounts of the product, be sure to have a safety shower nearby.

Conditions for safe storage: store in a suitable, closed and labeled container upright at temperature between 40°F and 100°F in a well-ventilated area. Opened containers must be properly resealed to avoid spillage. Store away from heat, direct sunlight and moisture. It is preferred to keep the container on sump pallets. Store in high-density polyethylene containers. See Section 10 for incompatible materials.

SECTION 8: Exposure control/personal protection

Control Parameters / Occupational exposure limits:

US.OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Chemical Name	CAS-No.	Type	Value	
Propan-2-ol	67-63-0	PEL/TWA	400 ppm	980 mg/m ³
		STEL	500 ppm	1,225 mg/m ³

U.S. ACGIH Threshold Limit Values

Chemical Name	CAS-No.	Type	Value	
Propan-2-ol	67-63-0	TWA	200 ppm	
		STEL	400 ppm	

SECTION 8: Exposure control/personal protection (Continued)

Appropriate engineering controls/ventilation system:

A general exhaust system is recommended to keep employee exposures below the limits. An additional local exhaust system is preferred in order to control emissions at its source.

Personal Protective Equipment (PPE)

Respiratory Protection: A NIOSH approved full-face respirator with high efficiency dust/mist filter is recommended. For emergencies or when dealing with unknown exposure measures, use a full-face piece positive-pressure, air-supplied respirator fitted with a suitable cartridge for the chemical. Consult respirator supplier regarding the compatibility of the equipment.

CAUTION: Air purifying respirators do not protect the user in oxygen deficient atmospheres, use an air supply system.

Hand Protection: impervious gloves, with suitable protection for workplace, are recommended any time the product is being handled. Consult glove supplier for details on suitability, breakthrough time and permeability. Frequent change of the glove is advisable. Be aware that latex gloves can trigger an allergic reaction to sensitive individuals.

Eye Protection: use chemical safety goggles and/or full-face shield when handling the product.

Skin/Body Protection: wear impervious protective clothing, boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Take additional precaution if handling amounts past the exposure limits.

Thermal Hazard: wear thermal protective clothing when necessary

General Hygiene: change out of clothes, thoroughly wash your hands and clothes, and shower/bathe as soon as possible. Do not eat, drink, smoke or use the bathroom while handling the product.

Other Protective Measures: have an eye wash and safety shower station close by. Routinely wash all equipment to remove contaminants.

SECTION 9: Physical and chemical properties

Appearance:	Liquid
Colour:	Blue liquid
Odour:	Alcohol odour
Odour Threshold:	No data available
pH:	5.0 – 6.0
Melting point/range:	No data available
Boiling point/range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability of explosive limits:	No data available
Vapour pressure (mm Hg):	No data available

SECTION 9: Physical and chemical properties (Continued)

Vapour density (Air=1): No data available
Relative density: No data available
Solubility(ies): Excellent in warm water
Partition coefficient (n-octanol/water): No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity, dynamic: No data available

Other Information: This product contains no phosphates.

SECTION 10: Stability and reactivity

Reactivity: No hazardous reactions are known under normal storage conditions and if handled according to standard industrial practices.

Chemical stability: Stable if under normal storage conditions and handled according to standard industrial practices.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, sparks and open flames.

Incompatible materials: Strong acids, strong bases, combustible materials and reactive metals.

Hazardous decomposition products: In the event of a fire, see Section 5

SECTION 11: Toxicological information

Acute toxicity: Toxicological testing has not been conducted with this material. The toxicology information listed below is based on the components of this material.

Category 4- Oral: Harmful if swallowed.
Dermal: Harmful in contact with skin.
Inhalation: Harmful if inhaled.

Alcohols, C12-16, ethoxylated – Acute Toxicity Estimate (ATE)		
Oral LD ₅₀ 1,700 mg/kg (Rat)	Dermal LD ₅₀ 1,700 mg/kg (Mouse)	(Inhalation: Dust and Mist) 1.5 to 20.7 mg/kg – 4 h (Rabbit)

Propan-2-ol - Acute Toxicity Estimate (ATE)		
Oral LD ₅₀ > 2,000 mg/kg, Rat	Dermal LD ₅₀ > 2,000 mg/kg Rabbit	Inhalation LC ₅₀ > 5,000 ppm, 1 hour, Rat

Skin Corrosion/ irritation: May cause irritation of the skin. Not known to be corrosive.

Serious eye damage/irritation: Causes serious eye irritation.

SECTION 11: Toxicological information (continued)

Respiratory or skin sensitization: Classification not possible.

Germ cell mutagenicity: Classification not possible.

Carcinogenicity: Classification not possible

Reproductive toxicity: Classification not possible.

Specific Target Organ Toxicity - Single Exposure: Classification not possible.

Specific Target Organ Toxicity - Repeated Exposure: Classification not possible. Isopropyl caused kidney effects in male rats which are not considered relevant to humans.

Aspiration hazard: Classification not possible.

SECTION 12: Ecological information

Toxicity: Do not allow to escape into waterways, wastewater or soil. Ecotoxicological studies of the product are not available. Please find below the data available to us from raw materials:

Aquatic ecotoxicity:

Alcohols, C12-16, ethoxylated EU Tested according to directive 92/69/EEC		
EC ₅₀ (Daphnia) 48 h 1.2 to 2.7 mg/L Fresh Water	ErC ₅₀ (Algae) 72 h growth rate 0.64 to 1.3 mg/L	LC ₅₀ (Fish) 96 h 2.6 to 2.9 mg/L

Propan-2-ol			
Fish LC/EC/IC ₅₀ >100 mg/L	Aquatic Invertebrates LC/EC/IC ₅₀ >1,000 mg/L	Algae LC/EC/IC ₅₀ >100 mg/L	Microorganism LC/EC/IC ₅₀ >1,000 mg/L

Persistence and Degradability: No data is available on the degradability of this product.

Bioaccumulative Potential: No data available for this product.

Mobility in Soil: Not available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

General Information: Do not allow the product to contaminate any body of water. Refer to Section 8 for personal protection equipment.

Disposal Methods: Avoid unauthorized disposal. Do not dump into any body of water. Comply with federal, state/provincial and local laws/regulations. Do not reuse empty containers.

SECTION 14: Transport information

UN Number: NA 1993
UN Proper Shipping Name: COMBUSTIBLE LIQUID, N.O.S., (2-PROPANOL)
Transport hazard class(es):
 DOT Hazard Class: Not Available
 DOT Subsidiary Hazard Class: Not Available
Label: COMBUSTILE
Packing group, if available: III
Environmental Hazards: Not available.
Special precautions for user: Not available.
Transport in bulk according to Annex II of MARPOL 73/78³ and the IBC Code ³: Not applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Unless otherwise noted, no components are SARA TITLE 3 SECTION 313 40 CFR listed materials.

The ingredients of this product are listed on the TSCA inventory.

This product is not made with VOC'S that could cause damage to the ozone layer.

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.	Revision Date
2-Propanol	67-63-0	(1987-01-01)

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
2-Propanol	67-63-0	(1987-01-01)

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
2-Propanol	67-63-0	(1987-01-01)

New Jersey Right To Know Components

	CAS-No.	Revision Date
2-Propanol	67-63-0	1987-01-01

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information including date of preparation or last revision

Chemical State: Liquid
Chemical Type: Mixture

Issue Date: 10-19-2020
Revision Date: -
Version #: 01

1	Health
2	Flammability
0	Physical Hazard
B	Personal Protection

To the best of our knowledge, the information contained herein is accurate. **However, neither UNX Industries, Inc. nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.** Final determination of suitability of any material is the sole responsibility of the user. All materials may represent unknown hazards and should be used within caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.