

Issue Date 31-May-2015

Revision Date 14-Jun-2018

1. IDENTIFICATION**Product identifier****Product Name** Wex-Pro #5 Glass Cleaner**Other means of identification****Product Code** WP-05
Document 7702
Synonyms Wexford Glass Cleaner Concentrate**Recommended use of the chemical and restrictions on use****Recommended Use** This product is intended to be diluted prior to use.
Uses advised against Do not mix with other chemicals**Details of the supplier of the safety data sheet****Supplier Address**
325 Leffingwell Avenue
Kirkwood, MO 63122**Manufacturer Address**
325 Leffingwell Avenue
Kirkwood, MO 63122**Emergency telephone number****Company Phone Number** 314-966-4134
US Toll-free: 800-506-1146
24 Hour Emergency Phone Number Chemtrec 800-429-9300
Emergency Telephone Chemtrec 24-Hour U.S. Number: (800) 424-9300**2. HAZARDS IDENTIFICATION****Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

Label Elements**Emergency Overview****WARNING**Flammable liquid and vapor.
Harmful by inhalation, in contact with skin and if swallowed.
Severe eye irritant. Irritating to skin.**Appearance:** Clear blue liquid**Physical state:** Liquid**Odor:** Alcohol**Eyes** Irritating to eyes
Skin Irritating to skin. May be harmful if absorbed through the skin.
Inhalation May cause central nervous system depression with nausea, headache, dizziness, and incoordination. Irritating to respiratory system.
Ingestion Gastrointestinal irritation, nausea and diarrhea. May cause additional affects as listed under "Inhalation".
Chronic Effects: Repeated or prolonged overexposure to solvents may cause permanent damage to nervous system.
Aggravated Medical Conditions: Pre-existing eye, skin and respiratory disorders.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight-%	
2-Propanol	67-63-0	20 - 28	

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
Skin contact	In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and laundry before reuse. If skin irritation persists, see a physician.
Inhalation	Remove to fresh air. If symptoms persist, seek medical help.
Ingestion	Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately.
Notes to physician	Treat symptomatically.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flammable liquid.

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media This product contains alcohols which will reduce the effectiveness of normal foam. Use alcohol-resistant foam instead.

Explosion data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with eyes and skin. Use personal protective equipment as required.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling **Keep out of reach of children.** Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Do not contaminate water, food, or feed by storage or disposal. Keep upright with cap tightly closed. Store in original container in areas inaccessible to children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ₃	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ₃ STEL: 500 ppm STEL: 1225 mg/m ₃

Appropriate engineering controls

Engineering Measures Ensure adequate ventilation, especially in confined areas

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses or goggles when handling the concentrate.
Skin and body protection Protective gloves when handling the concentrate.
Respiratory protection No protective equipment is needed under normal use conditions.
General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Alcohol
Appearance	Light transparent blue.	Odor threshold	No information available
Color	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	11.1 – 11.7	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	78 °F	Pensky-Martens Closed Cup (PMCC)
Specific Gravity	0.958	
Water solubility	Complete	

Other Information

VOC Content (%) No information available
Density No information available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Keep away from open flames, hot surfaces, and sources of ignition. Keep containers closed.

Incompatible materials

Inorganic acids, strong oxidizing agents, halogens, strong bases.

Hazardous Decomposition Products

On burning carbon monoxide and dioxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information	Harmful by inhalation, in contact with skin and if swallowed
Inhalation	Vapors may irritate throat and respiratory system. May cause central nervous system depression with nausea, headache, dizziness, and incoordination.
Eye contact	Severely irritating to eyes.
Skin contact	Irritating to skin. May be harmful if absorbed through the skin.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea May cause additional affects as listed under "Inhalation"

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol	4396 mg/kg (Rat)	12800 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat) 4 h
2-Butoxyethanol	470 mg/kg (Rat)	220 mg/kg (Rabbit) 2270 mg/kg (Rat)	2.21 mg/L (Rat) 4 h 450 ppm (Rat) 4 h

Chronic toxicity

Chronic toxicity	Repeated or prolonged overexposure to solvents may cause permanent damage to the nervous system
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol		Group 3		X
2-Butoxyethanol	A3	Group 3		

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
---------------------------	---

14. TRANSPORT INFORMATION

Note	UN1993, Flammable liquid, n.o.s. (Isopropanol), 3, PGIII
DOT	Regulated
Proper shipping name	UN1993, Flammable liquid, n.o.s. (Isopropanol)
Hazard class	3
UN/ID No	UN1993
Packing Group	III
Bulk Freight Class	70
Emergency Response Guide Number	127

15. REGULATORY INFORMATION

International Inventories

TSCA	TSCA
DSL/NDSL	Complies
EINECS/ELINCS	Complies
IECSC	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA – All components of this product are listed or are exempt from listing on the United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act (CWA)

This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product contains substances regulated by state right-to-know regulations.

International Regulations

Chemical Name	Carcinogen Status	Exposure Limits
Isopropyl alcohol		Mexico: TWA 400 ppm Mexico: TWA 980 mg/m ₃ Mexico: STEL 500 ppm Mexico: STEL 1225 mg/m ₃
2-Butoxyethanol		Mexico: TWA 400 ppm Mexico: TWA 980 mg/m ₃ Mexico: STEL 500 ppm Mexico: STEL 1225 mg/m ₃

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Chemical Name	NPRI
Isopropyl alcohol	X
2-Butoxyethanol	X

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health hazards 2	Flammability 3	Instability 0	Physical and Chemical Properties - Personal protection H
HMIS	Health hazards 2	Flammability 3	Physical hazards 0	

Issue Date 31-May-2015
Revision Date 31-May-2015

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet