



## SAFETY DATA SHEET E-Z KLEER

### SECTION 1: IDENTIFICATION

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Product Name: E-Z Kleer  
Product Code: V10  
Product Use: Glass cleaner  
Manufacturer's Name: E-ZOIL Products, Inc.  
Address: 234 Fillmore Avenue  
Address: Tonawanda, NY 14150 USA  
Business Phone: 855-693-9645  
Emergency Phone: 800-633-8253 PERS  
Date of Preparation: October 1, 2015  
Date of Last Revision: October 1, 2018  
Regulatory Standard: CFR29 1910.1200 HazCom 2012

### SECTION 2: HAZARDS IDENTIFICATION

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GHS-US classification  
Skin Irritant, Category 2  
Eye Irritant, Category 2B

Hazard pictograms (GHS-US):



Signal word (GHS-US): Warning

Hazard statements (GHS-US): May be harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

Precautionary statements (GHS-US): Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves. If swallowed: Call a poison center or doctor/physician if you feel unwell. Rinse mouth. If on skin: Wash with plenty of soap and water. If in eyes: Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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Name	CAS Number	%
Ethylene glycol butyl ether	111-76-2	3 – 5
Isopropanol	67-63-0	3 – 5

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

### SECTION 4: FIRST AID MEASURES

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First-aid measures after inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical advice/attention.

First-aid measures after skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion: If swallowed, do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed:**

See Section 11.

**SECTION 5: FIRE FIGHTING MEASURES**

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Suitable extinguishing media: Foam. Dry chemical. Carbon dioxide.

Unsuitable extinguishing media: None known.

Fire hazard: None known.

Protection during firefighting: Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Use water spray to keep fire-exposed containers cool.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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General measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

For containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up: Scoop up material and place in a disposal container. Provide ventilation.

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

**SECTION 7: HANDLING AND STORAGE**

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Additional hazards when processed: Not applicable.

Precautions for safe handling: Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use personal protective equipment as required.

Hygiene measures: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Technical measures: Proper grounding procedures to avoid static electricity should be followed.

Storage conditions: Keep out of the reach of children. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Keep container tightly closed when not in use.

Storage temperature: 39 – 120°F

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Ethylene glycol butyl ether (111-76-2)</b>		
ACGIH	ACGIH TWA (ppm)	20 ppm
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	240 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	50 ppm

<b>Isopropyl alcohol</b>		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	250 ppm
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
OSHA	OSHA STEL (TWA) (mg/m <sup>3</sup> )	500 ppm
OSHA	OSHA STEL (TWA) (mg/m <sup>3</sup> )	1225 mg/m <sup>3</sup>

Appropriate engineering controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Hand protection: Not applicable.

Eye protection: Wear safety glasses with side shields or goggles.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Not applicable.

Environmental exposure controls: Maintain levels below community environmental protection thresholds.

Other information: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Appearance: No data available

Color: Blue

Odor: Odorless

Odor threshold: No data available

pH: 8.6

Melting point: No data available

Freezing point: 32°F (0°C)

Flash Point:	No data available
Boiling Point:	212°F (100°C)
Relative evaporation rate:	No data available
Flammability (solid, gas):	No data available
Explosive limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Vapor pressure:	1 / 68°F (20°C)
Relative density:	0.98
Relative vapor density at 20 °C:	No data available.
Solubility:	Water > 100 %
Partition coefficient: n-octanol/water:	No data available
Log Kow:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available

## SECTION 10: STABILITY AND REACTIVITY

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Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under normal storage conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Not applicable.

Incompatible materials: Not applicable.

Hazardous decomposition products: Not applicable.

## SECTION 11: TOXICOLOGICAL INFORMATION

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Acute toxicity: Harmful if swallowed.

<b>E-Z Kleer</b>	
LD50 oral rat	No data available
LD50 dermal rabbit	No data available

<b>E-Z Kleer</b>	
LC50 inhalation rat	No data available
<b>Ethylene glycol butyl ether (111-76-2)</b>	
LD50 oral rat	1300 mg/kg
<b>Isopropanol (67-63-0)</b>	
LD50 oral rat	5000 mg/kg (Calculated using ATE values)
LD50 dermal rat	12800 mg/kg (Calculated using ATE values)
LC50 inhalation rat	45248 ppm (Calculated using ATE values)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Not applicable.

<b>Ethylene glycol butyl ether (111-76-2)</b>	
IARC group	3 - Not classifiable
<b>Isopropanol (67-63-0)</b>	
IARC group	3 - Not classifiable as to its carcinogenicity to humans

Reproductive toxicity: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation: Based on available data, the classification criteria are not met.

Symptoms/injuries after skin contact: Based on available data, the classification criteria are not met.

Symptoms/injuries after eye contact: Based on available data, the classification criteria are not met.

Symptoms/injuries after ingestion: Based on available data, the classification criteria are not met.

## **SECTION 12: ECOLOGICAL INFORMATION**

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Ecology - general: May cause long-term adverse effects in the aquatic environment.

Persistence and degradability

<b>E-Z Kleer</b>	
Persistence and degradability	Not established.

Bioaccumulative potential

<b>E-Z Kleer</b>	
Bioaccumulative potential	Not established.

Mobility in soil: No additional information available

Other adverse effects: Effect on the global warming – No known ecological damage caused by this product.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

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Waste disposal recommendations: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

Additional information: Handle empty containers with care because residual vapors are flammable.

## SECTION 14: TRANSPORT INFORMATION

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Not regulated.

## SECTION 15: REGULATORY INFORMATION

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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Federal regulations:

<b>E-Z Kleer</b>	
EPA TSCA Regulatory Flag	This product does not contain a substance that is the subject of a Section 4 test rule under TSCA.

State regulations:

<b>E-Z Kleer</b>	
State or local regulations	This product does not contain a chemical known to any state to cause cancer.

## SECTION 16: OTHER INFORMATION

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Other information: None.

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