



Safety Data Sheet

Glass Cleaner Concentrate

HMIS Ratings	
Health	2
Flammability	3
Reactivity	0
Protection	B

Section 1: Identification

Product Name: Glass Cleaner Concentrate

Product Use: Glass Cleaner

Restrictions on Use: None known.

Manufacturer: Blue Ribbon Products, Inc.
8188 Allison Avenue
Indianapolis, IN 46268

Phone Number: (317) 972-7970 * (888) 274-2266

Emergency Phone: CHEMTREC
1-800-424-9300
For International Calls:
(703) 527-3887

Section 2: Hazard Identification

Hazard Class: Flammable Liquid Category 2, Acute Oral Toxicity Category 4, Skin Irritant Category 2, Eye Irritant Category 2A, Acute Target Organ Toxicity Category 3, Acute Aquatic Toxicity Category 3.

Signal Word(s): Danger

Hazard Statement: Highly flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation and CNS depression. Harmful to aquatic life.

Pictogram Classes:



Precautionary Measures: Do not ingest, keep out of eyes. Avoid breathing fume/gas/mist/vapours/spray. Keep away from any sources of ignition. Do not eat, drink, or smoke when using this product. Wear proper protective equipment. Use only

outdoors or in well-ventilated area. Wash thoroughly after handling. Store locked up and tightly closed in cool, well-ventilated place. Take off contaminated clothing and wash before reuse. Avoid release to the environment or contamination of water sources.

Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	Concentration (Wgt.%)
Isopropanol	67-63-0	15-35
2-Butoxyethanol	111-76-2	35-65
Non-hazardous and other ingredients below reportable levels	Proprietary	0-50

Section 4: First Aid Measures

Skin Contact Wash immediately with soap and water. If irritation persists, seek medical advice or attention.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses if present/able. Continue rinsing. If eye irritation persists, get medical advice or attention.

Inhalation Move person to fresh air. Seek medical attention if symptoms develop or persist.

Ingestion If the material is swallowed, get immediate medical advice or attention. Do not induce vomiting unless instructed to do so by medical personnel.

Notes for Immediate Care / Physician N/A

Section 5: Fire Fighting Measures

Hazardous Combustion Products:
Carbon monoxide and carbon dioxide.

Extinguishing Media:
Carbon dioxide, dry chemical, or water.

General Fire Hazards:
Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back.

Fire Fighting Equipment and Instructions:

Firefighters should wear full protective gear including self contained breathing apparatus.

Section 6: Accidental Release Measures

Personal Protection/PPE:

Wear mask, gloves, apron, and safety glasses or goggles to avoid inhalation and skin or eye contact.

Emergency Procedures:

Remove all sources of ignition. Ensure ventilation to avoid inhalation. Do not allow to contaminate water sources, as this product is harmful to aquatic life.

Containment Procedures:

Remove all sources of ignition. Stop the flow of material, if this is without risk. Absorb with inert absorbent such as dry clay, sand, diatomaceous earth, commercial sorbents, or recover using pumps.

Cleanup Procedures:

Absorb spill with inert material. Shovel material into appropriate container for disposal. Do not allow to contaminate water sources.

Section 7: Handling and Storage

Handling Procedures:

Avoid skin contact with this material. Keep away from sources of ignition.

Storage Procedures:

Do not handle or store near an open flame, heat, or other sources of ignition. Keep the container tightly closed and locked up in a cool, well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Chemical	CAS Number	PEL-OSHA	Exposure Limits	
			TLV-ACGIH	Carcinogen
Isopropanol	67-63-0	400 ppm	400 ppm	No
2-Butoxyethanol	111-76-2	25 ppm	20 ppm TWA-TLV	No
Non-hazardous and other ingredients below reportable levels	Proprietary	N/A	N/A	N/A

Engineering Controls:

Local exhaust ventilation should be used.

Personal Protective Equipment:**Eyes/Face:**

Wear safety glasses or goggles.

Skin:

Use impervious gloves.

Respiratory:

None required where adequate ventilation conditions exist. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

General:

Eye wash fountain is recommended. Use good industrial hygiene practices in handling this material.

Section 9: Physical and Chemical Properties

Appearance:	Blue liquid
Flammability Limits:	Not available.
Explosive Limits:	Not applicable.
Odor:	Isopropanol
Odor Threshold:	Not available.
Vapor Density:	Not available.
Vapor Pressure:	Not available.
pH:	Not available.
Relative Density:	0.9
Melting Point:	Not available.
Solubility:	Soluble in water.
Initial Boiling Point/Boiling Range:	Not available.
Flash Point:	74.60°F/23.67°C (calculated)
Autoignition Temperature:	Not available.
Evaporation Rate:	Slower than ether
Partition Coefficient (n-octanol/water):	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.

Section 10: Stability and Reactivity

Reactivity:

May react with strong oxidizing agents (peroxides, chlorine, strong acids).

Chemical Stability:

This is a stable material under normal conditions.

Hazardous Decomposition:

None known.

Hazardous Polymerization:

Will not occur.

Incompatible Materials:

Strong oxidizing agents (peroxides, chlorine, strong acids).

Conditions Leading to Hazard:

Allowing product to freeze, allowing contamination of water sources, storage with strong oxidizing agents, storage in heat or by flame.

Section 11: Toxicological Information

Acute Toxicity Estimate – Oral: 1845 mg/kg

Acute Toxicity Estimate – Dermal: >5000 mg/kg

Reproductive Toxicity/Germ Cell Mutagenicity: No ingredients with positive in vivo tests.

Skin/Inhalation Sensitization: This product is not expected to cause sensitization.

Carcinogenicity: No carcinogenic components.

Section 12: Ecological Information

Existing Structure Activity Relationship (SAR) and Experimental data on the components of this product indicate Acute Toxicity Category 3, but no Chronic Environmental categorization. Bioaccumulation and other routes of aquatic contamination have insufficient data to be considered, but are not expected to be contributory.

None of the components of this product are listed in the Montreal Protocol or its Amendments.

Section 13: Disposal Concerns

Dispose of waste material in accordance with Local, State, Federal, and Provincial Environmental Regulations.

Section 14: Transport Information

US DOT HMR Information

Proper Shipping Name: Flammable Liquids, N.O.S. (Isopropanol)

Identification Number: UN1993

Hazard Class: 3

Packaging Group II

Section 15: Regulatory Information

US Federal Regulations**CERCLA/SARA – Section 313 – Emission Reporting**

2-Butoxyethanol

State Regulations

California – Proposition 65 – Carcinogens List

None.

Section 16: Other Information

Disclaimer:

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