



MATERIAL SAFETY DATA SHEET

HMIS Ratings	
Health	2
Flammability	3
Reactivity	0
Protection	X

Chemical Product and Company Identification

Manufacturer Information Blue Ribbon Products, Inc.
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Indianapolis, IN 46268

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Date Modified 10/01/04

Product Identity Glass Cleaner Concentrate

Product Use Automotive Reconditioning Product

Composition / Information on Ingredients

Ingredient Name	CAS Number	Wgt.%	Exposure Limits		Carcinogen
			PEL-OSHA	TLV-ACGIH	
2-PROPANOL	67-63-0	30 – 60	400 ppm TWA; 980 mg/m3 TWA	400 ppm TWA	No
ETHANOL, 2-BUTOXY-	111-76-2	15 – 40	25 ppm TWA; 120 mg/m3 TWA	20 ppm TWA	No
Non-hazardous and other Ingredients below reportable levels	Proprietary	27.5	N/AP	N/AP	N/AP

Hazards Identification

Potential Health Effects

Skin Prolonged and/or repeated skin contact may result in mild irritation or redness.

Eyes Contact can cause moderate to severe irritation and possible injury to the eyes.

Inhalation Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Ingestion This product may be harmful or fatal if swallowed.

Hazard Statements

CAUTION: EYE AND SKIN IRRITANT.

First Aid Measures

First Aid

Skin	For skin contact, flush with large amounts of water. If irritation persists, get medical attention.
Eyes	Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.
Inhalation	If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.
Ingestion	If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel.

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/Instructions

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

Flash Point 78° F

Flammability Limits in Air, Lower, % by Volume N/AV

Flammability Limits in Air, Upper, % by Volume N/AV

Accidental Release Measures

Containment Procedures

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Clean-Up Procedures

Absorb spill with inert material. Shovel material into appropriate container for disposal.

Handling and Storage

Storage Procedures

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

Exposure Controls / Personal Protection

Engineering Controls

Use local exhaust ventilation.

Personal Protective Equipment

Eyes/Face

Wear safety glasses with side shields.

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

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

Physical & Chemical Properties

Specific Gravity	0.9
Vapor Pressure	<20 mm/Hg
Evaporation Rate	Slower than ether
Vapor Density	>1
Solubility (H₂O)	Soluble

Chemical Stability & Reactivity Information

Chemical Stability

Stable under normal conditions.

Hazardous Polymerization

Will not occur.

Incompatibility

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

Toxicological Information

Toxicological Information

No data available for this product.

Ecological Information

Ecological Information

No data available for this product.

Disposal Considerations

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

Transportation Information

US DOT HMR Information

Proper Shipping Name	Flammable Liquids, N.O.S., (Isopropanol)
Identification Number	UN1993
Hazard Class	3
Packaging Group	III

Regulatory Information

US Federal Regulations

Other Information

Disclaimer

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, MSDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

Prepared By Technical Department

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