



Safety Data Sheet

Aerosol Gem Glass Cleaner

HMIS Ratings	
Health	1
Flammability	0
Reactivity	0
Protection	B

Section 1: Identification

Product Name: Aerosol Gem Glass Cleaner

Product Use: Glass cleaner

Restrictions on Use: Use for glass surfaces only.

Manufactured For: 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: Aerosol Category 3, Skin Irritant Category 3, Eye Irritant Category 2B

Signal Word(s): Warning

Hazard Statement: Pressurized container: may burst if heated. Causes mild skin irritation. Causes eye irritation.

Pictogram Classes: None.

Precautionary Measures: Do not ingest, keep out of eyes, do not inhale. Keep away from sources of ignition. No Smoking. Do not pierce or burn, even after use. Protect from sunlight. Store in cool, well-ventilated place. Wash thoroughly after handling.

Miscellaneous Hazards: Do not expose to temperatures exceeding 50°C. 2-Butoxyethanol may be absorbed through the skin.

Note: As of the issue date, US OSHA regulations are in alignment with GHS version 3, which does not have the classification for non-flammable aerosols. Instead, this product would be classified as a 'gas under pressure' and bear the gas

cylinder GHS hazard diamond emblem. This SDS sheet, as written, is in compliance with the most recent version of GHS, as adopted by the remainder of signatories.

Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	Concentration (Wgt.%)
2-Butoxyethanol	111-76-2	2.5-10
Ethanol	64-17-5	2.5-10
Butane	106-97-8	1-2.5
Propane	74-98-6	1-2.5
Non-hazardous and other ingredients below reportable levels	Proprietary	80-93

Section 4: First Aid Measures

Skin Contact Wash immediately with soap and water. If irritation persists, get 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/attention.

Inhalation Move person to non-contaminated air. Seek medical attention if symptoms develop or persist

Ingestion If the material is swallowed, rinse mouth. If you feel sick, seek medical advice.

Notes for Immediate Care / Physician Inhalation of butane in pregnant mothers may produce anoxia in the fetus as a result of the butane intoxication.

Section 5: Fire Fighting Measures

Hazardous Combustion Products:
Carbon monoxide and carbon dioxide.

Extinguishing Media:
Use appropriate media for surrounding fires. Do not use water jet, as this will spread the fire.

General Fire Hazards:
Nothing unusual noted.

Fire Fighting Equipment and Instructions:
Firefighters should wear full protective gear.

Section 6: Accidental Release Measures

Personal Protection/PPE:

Wear gloves and safety glasses or goggles to avoid skin and eye contact. Ruptured cylinders may rocket.

Emergency Procedures:

Ensure ventilation to avoid inhalation. Remove all sources of ignition.

Containment Procedures:

Stop the leak of material, if this is without risk. Move cylinder to open and safe area if leak is irreparable, where this is possible. Absorb with inert absorbent such as dry clay, sand, diatomaceous earth, commercial sorbents, or wipe up with cloth. Dispose accordingly.

Cleanup Procedures:

Absorb spill with inert material or wipe up with cloth. Dispose accordingly.

Section 7: Handling and Storage

Handling Procedures:

Keep this product from heat, sparks, or open flame. Avoid prolonged or repeated skin contact with this material. No smoking. Wash thoroughly after handling.

Storage Procedures:

Keep the container tightly closed. Do not freeze. Do not store near heat or any sources of ignition. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Section 8: Exposure Controls/Personal Protection

Chemical	CAS Number	PEL-OSHA	Exposure Limits	
			TLV-ACGIH	Carcinogen
2-Butoxyethanol	111-76-2	240 mg/m ³ 50 ppm	20 ppm TWA	No
Ethanol	64-17-5	1900 mg/m ³ 1000 ppm	1000 ppm STEL	No
Butane	106-97-8	N/A	1000 ppm STEL	No
Propane	74-98-6	1800 mg/m ³ 1000 ppm	1000 ppm	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 chemical goggles.

Skin:

Use impervious gloves.

Respiratory:

If ventilation is not sufficient to effectively prevent buildup of vapor/mist/fume/dust, appropriate NIOSH/MSHA respiratory protection must be provided.

General:

Eye wash fountain and emergency showers are recommended. Use good industrial hygiene practices in handling this material.

Section 9: Physical and Chemical Properties

Appearance:	Clear, cloudy light yellow gas/pressurized liquid
Flammability Limits:	Not applicable.
Explosive Limits:	Not applicable.
Odor:	Characteristic
Odor Threshold:	Not available.
Vapor Density:	Not available.
Vapor Pressure:	80-100 psig @ 70°F
pH:	9.1-10.1
Relative Density:	0.977-0.997
Melting Point:	Not available.
Solubility:	Not available.
Initial Boiling Point/Boiling Range:	Not available.
Flash Point:	-156°F (-104.4°C) Propellant estimated
Deflagration Density:	>2.52 g/cm ³
Aerosol Spray Ignition Distance:	<15 cm
Autoignition Temperature:	Not applicable.
Evaporation Rate (n-BuAc = 1):	Not available.
Partition Coefficient (n-octanol/water):	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.

Section 10: Stability and Reactivity

Reactivity:

Heat. Sources of ignition. Strong oxidizing agents.

Chemical Stability:

Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture or burn.

Hazardous Decomposition:

Hazardous combustion products may include carbon monoxide, carbon dioxide, and other hydrocarbon fragments.

Hazardous Polymerization:

Will not occur.

Incompatible Materials:

Strong oxidizing agents.

Conditions Leading to Hazard:

Allowing product to freeze. Storage near heat or ignition source. Puncturing container. Mixing with incompatibles.

Section 11: Toxicological Information

Acute Toxicity Estimate – Oral: >5000 mg/kg

Acute Toxicity Estimate – Dermal: >5000 mg/kg

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

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

Carcinogenicity: Contains no carcinogenic components.

Note: 2-Butoxyethanol can be absorbed directly through the skin in toxic amounts with repeated and very prolonged contact.

Section 12: Ecological Information

Existing Structure Activity Relationship (SAR) and Experimental data on the components of this product indicate neither Acute or Chronic toxicity to the aquatic environment. Bioaccumulation and other routes of aquatic contamination have insufficient data to be considered.

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. Do not puncture, crush, or incinerate canister, even when “empty.”

Section 14: Transport Information

This product is shipped as a consumer commodity under ORM-D, under limited quantity exceptions.

US DOT HMR Information

Proper Shipping Name: Aerosols, non-flammable (Butane, Propane)

Identification Number: UN1950

Hazard Class: 2.2

Special Exemptions Limited Quantity (49 C.F.R. §173.306)

Section 15: Regulatory Information

US Federal Regulations

CERCLA/SARA – Section 313 – Emission Reporting

None.

Clean Air Act Section 112

Butane

Propane

State Regulations

California – Proposition 65 – Carcinogens List

None.

Section 16: Other Information

Disclaimer:

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, SDS 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 the 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

Issue Date 01/21/2015

Previous Issue Date 10/02/2010, updated from MSDS to SDS