

Identification

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GHS Product Identifier

Product Form:	Aerosol
Trade Name:	Glass Shine Premium Foaming Glass Cleaner
Product Number:	GG-003-012

Recommended use of the chemical and restriction on use

Glass Cleaner & Surface Cleaner

Supplier's details

Max Pro P.O. Box 9962 Ft. Lauderdale, FL 33310 USA

Tel.: 954-972-3338

Emergency phone number

CHEMTREC 24 Hour Emergency Response USA & Canada 800-424-9300

2 Hazard(s) identification

Classification of the substance or mixture

Gases under pressure; Compressed gas

GHS label elements

Warning



Contains gas under pressure; may explode if heated

Obtain special instructions before use.

Do not pierce or burn, even after use.

Protect from sunlight. Store in a well-ventilated place.

Other hazards which do not result in classification

Causes mild skin irritation. May cause slight eye irritation. Prolonged or repeated contact may dry skin and cause irritation. Harmful to aquatic life with long lasting effects. Use of alcoholic beverages may enhance toxic effects.

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements above. The labeling above applies to industrial/professional products.

3 Composition/information on ingredients

Description	CAS Number	%	Note
Butoxyethanol	111-76-2	24.17	
Water	7732-18-5	71.53	
Fragrance		0.97	
Propane	74-98-6	2.5	
n-Butane	106-97-8	0.83	

4 First-aid measures

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Description of necessary first-aid me	easures
Eye Contact:	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact:	In case of contact with liquefied gas, thaw frosted parts with lukewarm water. Wash with soap and water.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen.
Ingestion:	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.
Self-protection of the first aider:	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.
Most important symptoms/effects, ac	cute and delayed
No information available.	
Indication of immediate medical atte	ention and special treatment needed, if necessary
Notes to Physician:	Treat symptomatically.
Fire-fighting measures	
Suitable extinguishing media	
Dry chemical. Carbon dioxide (CO2).	
Specific hazards arising from the ch	emical
Ruptured cylinders may rocket. Some may	burn but none ignite readily.
Uniform Fire Code Aerosols:	Level I
Hazardous Combustion Products:	Carbon oxides.
Explosion Data Sensitivity to Mechanical Impact:	Νο
Sensitivity to Static Discharge:	No
Special protective actions for fire-fig	phters

Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Stop leak if you can do it without risk.

Other Information: Ventilate the area.

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

Methods and materials for containment and cleaning up

Methods for Containment:If possible, turn leaking containers so that gas escapes rather than liquid. Allow
substance to evaporate.

Methods for cleaning up:

Do not direct water at spill or source of leak.

7 Handling and storage

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Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Do not puncture or incinerate cans. Contents under pressure. Avoid breathing vapors or mists. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Storage:	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect
	from sunlight.

Incompatible Products:

None known based on information supplied.

Exposure controls/personal protection

Control parameters

Control Parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Butane	STEL: 1000ppm	(vacated) TWA: 800 ppm	TWA: 800 ppm
106-97-8		(vacated) TWA: 1900 mg/m ³	TWA: 1900 mg/m ³
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	IDLH: 2100 ppm TWA: 1000 ppm
			TWA: 1800 mg/m ³
		TWA: 50 ppm	
2 Putowyothanal		TWA: 240 mg/m3	IDLH: 700 ppm
111-76-2	TWA: 20 ppm	(vacated) TWA: 25 ppm	TWA: 5 ppm
		(vacated) TWA: 120 mg/m ³	TWA: 24 mg/m3
		(vacated) S*	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines:	Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters.
Appropriate engineering controls	
Engineering Measures:	Showers; Eyewash stations; Ventilation systems

Individual protection measures	
Eye/Face Protection:	No special protective equipment required.
Skin and Body Protection:	No special protective equipment required.
Respiratory Protection:	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety practice.

9 Physical and chemical properties

Physical and chemical properties

Physical State:	Liquid Spray Alcohol
Appearance:	Clear
Color:	No information available.
Odor:	Fresh
Odor Threshold:	No information available.
pH:	7
Melting/Freezing Point:	No data available.
Boiling Point/Boiling Range:	No data available.
Flash Point:	No data available.
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit in Air:	
Upper Flammability Limit:	No data available.
Lower Flammability Limit:	No data available.
Vapor Pressure:	No data available.
Vapor Density:	No data available.
Specific Gravity:	No data available.
Water Solubility:	Soluble (>1%)
Solubility in other solvents:	No data available.
Partition coefficient	
n-octanol/water:	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Kinematic Viscosity:	No data available.
Dynamic Viscosity:	No data available.
Explosive Properties:	No data available.
Oxidizing Properties:	No data available.
Softening Point:	No data available.
VOC Content (%):	4
Particle Size:	No data available.
Particle Size Distribution:	No data available.

10 Stability and reactivity

Reactivity

No information available.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Excessive heat.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

Carbon oxides.

11 Toxicological information

Toxicological (health) effect	ts			
Symptoms:	No informati	No information available.		
Information on the likely ro	outes of exposure			
Product Information:	Product does information.	s not present an acute tox	icity hazard based o	on known or supplied
Inhalation:	Specific test	data for the substance or	mixture is not avail	able.
Eye contact:	Specific test	data for the substance or	mixture is not avail	able.
Skin contact:	Specific test	data for the substance or	mixture is not avail	able.
Ingestion:	Specific test	data for the substance or	mixture is not avail	able.
Chemical Name Butane (106-97-8) Propane (74-98-6) 2-Butoxyethanol (111-76-2)	Oral LD50 = 470 mg/kg (Rat)	Dermal LD50 = 220 mg/kg (Rabb	Inhalat = 658 g/n = 658 mg, it) = 450 ppr	tion LC50 n ³ (Rat) 4 h /L (Rat) 4 h m (Rat) 4 h
Delayed and immediate effe	ects and also chronic eff	fects from short and long	g term exposure	
Sensitization:	No informati	on available.		
Mutagenic Effects:No information available.Carcinogenicity:The table below indicates whether each agency has listed any ingredient as a carcinogen.				
Chemical Name 2-Butoxyethanol	ACGIH A3 (IARC N Group 3	ТР	OSHA
A3 - Animal Carcinogen				

IARC (International Agency for Research on Cancer) Group 2A - Probably Carcinogenic to Humans Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present

Reproductive Toxicity:	No information available.
STOT - single exposure:	No information available.
STOT - repeated exposure:	No information available.
Chronic Toxicity:	No known effect based on information supplied. Contains a known or suspected carcinogen. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.
Target Organ Effects:	Blood. Central Nervous System (CNS). Eyes. Hematopoietic system. Kidney. Liver. Respiratory system. Skin.
Aspiration Hazard:	No information available.

12 Ecological information

Toxicity

Ecotoxicity:

Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Alage	Toxicity to Fish	Toxicity to Microorganis ms	Daphnia Magna (Water Flea)
		96h LC50: = 1490 mg/L		
2-Butoxyethanol		(Lepomis macrochirus) 96h		48h EC50: > 1000 mg/L 24h
111-76-2		LC50: = 2950 mg/L		EC50: 1698 - 1940 mg/L
		(Lepomis macrochirus)		

Persistence and degradability

No infomation available.

Bioaccumulative potential

Chemical Name	Log Pow
Butane 106-87-8	2.89
Propane 74-98-6	2.3
2-Butoxyethanol 111-76-2	0.81

Other adverse effects

No information available.

13 Disposal considerations

Disposal methods

Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal

	regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.
Contaminated Packaging	Dispose of contents/containers in accordance with local regulations.
California Hazardous Waste Codes	561

This product contains one or more substances that are listed with the State of California as a hazardous waste.

14 **Transport information UN Number** UN1950 **UN Proper Shipping Name** Aerosols, non-flammable **Transport hazard class(es)** 2 **Regulatory information** 15

Safety, health and environmental regulations specific for the product in question

International Inventories	
TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.
IECSC	-
TSCA - United States Toxic Substances Cor	ntrol Act Section 8(b) Inventory

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

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.

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
2-Butoxyethanol	111-76-2	1 - 5	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	Yes
Reactive Hazard	Νο
CWA (Clean Water Act)	This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

<u>US State Regulations</u> California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S.State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Butane	v	V	v		
106-97-8	~	Χ	X		
Propane	v	V	v		
74-98-6	^	۸	^		
2-Butoxyethanol	Х	Х	Х	Х	Х

International Regulations

Mexico

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Butane		Mexico: TWA 800 ppm
106-97-8		Mexico: TWA 1900 mg/m ³
		Mexico: TWA 26 ppm
2-Butoxyethanol		Mexico: TWA 120 mg/m ³
111-76-2		Mexico: STEL 75 ppm
		Mexico: STEL 360 mg/m ³

Mexico - Occupational Exposure Limits - Carcinogens

Canada WHMIS Hazard Class D2A - Very toxic materials A - Compressed gases



16 Other information

Other information

Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.