Glass Shine Premium Foaming Glass Cleaner

1 Identification

GHS Product Identifier

Trade Name: Glass Shine Premium Foaming Glass Cleaner

Item No.: 3012

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

GHS Categories

Criteria	Category	Signal Word	Pictograms
Gas under pressure; compressed gas	3	Warning	Gas Cylinder

Note: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS label elements

Warning

Contains gas under pressure; may explode if heated

Pressurized container: Do not pierce or burn, even after use.

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

Obtain special instructions before use.

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
Butane	106-97-8	0	
Propane	74-98-6	0	
2-Butoxyethanol	111-76-2	0	

4 First-aid measures

Description of necessary first-aid measures

First-aid measures general:	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.
First-aid measures after inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Center or doctor/physician if you feel unwell.
First-aid measures after skin contact:	In case of contact with liquified gas, thaw frosted parts with lukewarm water. Wash with soap and water.
First-aid measures after eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
First-aid measures after ingestion:	DO NOT induce vomiting. Rinse Mouth. Drink plenty of water. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

5 Fire-fighting measures

Suitable extinguishing media

Dry chemical. Carbon Dioxide (CO2).

Specific hazards arising from the chemical

Ruptured cylinders may rocket. Some may burn but none ignite readily. DO NOT extinguish a leaking gas fire unless the leak can be stopped.

Special protective actions for fire-fighters

Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists. Wear self-contained breathing apparatus for fire fighting. Produces Carbon Oxides upon combustion.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Stop leak if you can do it without risk. Ventilte the area.

Environmental precautions

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

Methods and materials for containment and cleaning up

If possible, turn leaking containers so that gas escapes rather than liquid. Allow substance to evaporate. Do not direct water at spill or source of leak.

7 Handling and storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practices. 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

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. No known incompatabilities based on information supplied.

8 Exposure controls/personal protection

Control parameters

Exposure Guidelines

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

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 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

Showers, Eyewash stations, Ventilation systems.

Individual protection measures

Eye/Face Protection No special protective equipment required.

Skin/Body Protection No special protective equipment required.

Respiratory Protection No special protective equipment is needed under normal use conditions. If exposure limits are exceeded or iritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industiral hygiene and safety practices.

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 (%):	No data available.
Particle Size:	No data available.
Particle Size Distribution:	No data available.

10 Stability and reactivity

Reactivity

No data available.

Chemical stability

Stable under recommended storage 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 dioxides.

11 Toxicological information

Information on the likely routes of exposure

Inhalation:	Specific test data for the substance or mixture is not available.
Eye Contact:	Specific test data for the substance or mixture is not available.
Skin Contact:	Specific test data for the substance or mixture is not available.
Ingestion:	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

Numerical measures of toxicity (such as acute toxicity estimates)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Butane 106-97-8	-	-	= 658 g/m3 (Rat) 4 h
Propane 74-98-6	-	-	= 658 mg/L (Rat) 4 h
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 220 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h

The following values are calculated based on Chapter 3.1 of the GHS document:
ATEmix (oral)
22,318.00 mg/kg
ATEmix (inhalation-dust/mist)
150.00 mg/l
ATEmix (inhalation-vapor)
1,100.00 ATEmix

Interactive effects

Sensitization: No information available.

Mutagenicity: No information available.

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-butoxyethanol (117-76-2)	A3	Group 3		

ACGIH(American Conference of Governmental Industrial Hygienists)
A3- Animal Carcinogen
IARC(International Agency for Research on Cancer)
Group 2A - Probably carcinogenic to Humans
Group 3 - Not classifiable as to Carcinogenosity 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 in 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

Harmful to aquatic life with long lasting effects.

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

Persistence and degradability

No information available.

Bioaccumulative potential

Chemical Name	Log Pow
Butane (106-97-8)	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

Dispose of contents/containers in accordance with local regulations. 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.

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

TDG:

UN-No	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.2
Description	UN1950, AEROSOLS, 2.2

MEX:

UN-No	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.2
Description	UN1950, AEROSOLS, 2.2

ICAO:

UN-No	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.2
Description	UN1950, AEROSOLS, 2.2

IATA:

UN-No	UN1950
Proper Shipping Name	AEROSOLS, NON-FLAMMABLE
Hazard Class	2.2
Description	UN1950, AEROSOLS, NON-FLAMMABLE, 2.2

IMDG/IMO:

UN-No	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.2
EmS No.	F-D, S-U
Description	UN1950, AEROSOLS, 2.2

RID:

UN-No	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.2
Calssification Code	5A
Description	UN1950, AEROSOLS, 2.2

ADR:

UN-No	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.2
Classification Code	5A
Tunnel Restriction Code	(E)
Description	UN1950, AEROSOLS, 2.2

ADN:

UN-No	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.2

Classification Code	5A
Special Provisions	190, 327, 344, 625
Description	UN1950, AEROSOLS, 2.2
Limited Quantity	1 L
Ventilation	VE04

UN Proper Shipping Name

Consumer Commodity

Transport hazard class(es)

ORM-D

15 Regulatory information

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	-

US Federal Regulations

SARA 313

Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a checmical 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	117-76-2	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	No

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).

CERCLA

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).

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

US State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Butane 106-97-8	X	X	X		
Propane 74-98-6	X	X	X		
2-Butoxyethanol 111-76-2	X	X	X	X	X
Supplier Trade Secret	X	X	X	X	

International Regulations

Mexico

National Occupational Exposure Limits

Component	Carcinogen Status	Exposure Limits
Butane 106-97-8 (1 - 5)		Mexico: TWA 800 ppm Mexico: TWA 1900 mg/m³ Mexico: TWA 26 ppm
2-Butoxyethanol 111-76-2 (1 - 5)		Mexico: TWA 120 mg/m³ Mexico: tEL 75 ppm Mexico: STEL 360 mg/m³

Mexico: Occupational Exposure Limits - Carcinogens

Canada

WHMIS Hazard Class
D2A - Very toxic materials
A - Compressed gas

16 Other information

Other information

NFPS	Health Hazards 1	Flammability 1	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazards 1	Flammability 0	Physical Hazard 0	Personal Protection X

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.