



Safety Data Sheet

October 14, 2015

Surge Janitorial™ Foaming Glass Cleaner

Section 1: Identification of the Substance/Preparation & of the Company

Product Identifier

Product Name
Surge Janitorial™ Foaming Glass Cleaner

Other Means of Identification
None

Recommended use of the chemical and restrictions on use
Recommended Use **Industrial and Janitorial Glass Cleaner**
– various aerosol applications
Uses advised against No information available

Details of the supplier of the safety data sheet
Supplier Address Premalux, LLC
 300 Lena Drive
 Aurora, Ohio 44202
Supplier Phone # 1-330-995-4000

Emergency Telephone Number
Emergency Phone For Medical Emergencies contact your local physician
Numbers For Transportation Emergencies, call Chemtrec: 1-800-424-9300


Section 2: Hazards Identification

Classification
This mixture is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Eye Corrosion / Irritation	Category 2
Gases Under Pressure	Liquified Gas

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word	Warning		
			
	Pictograms		
	Hazard Statements		
	H280 Contains gas under pressure; may explode if heated		
	Eye Irritant		
Appearance	Clear to light yellow / amber	Physical State	Thin liquid
		Odor	Soapy, mild

Precautionary Statement – Prevention

P210 – Keep away from heat, hot surfaces sparks, open flames and other ignition sources. No smoking.

Precautionary Statements – Response

If eye contact occurs, rinse eyes with water for 5 minutes – remove contact lenses if present – and rinse eyes for 15 more minutes. If eye irritation persists, seek medical help.

Precautionary Statements – Storage

P405 – Store locked up.

P410 & P412 – Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F

Precautionary Statements – Disposal

P501 – Dispose of contents/containers in accordance with local/regional regulations.

Hazards not otherwise classified

Not applicable

Unknown Toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity

Other information

None

Interactions with Other Chemicals

None known

Section 3: Composition / Information on Ingredients

Chemical Name	CAS-No	Weight %	Trade Secret
2-Butoxyethanol	111-76-2	2.5 - 10	
Ethyl Alcohol	64-17-5	2.5 - 10	
Butane	106-97-8	1.0 – 2.5	
Propane	74-98-6	1.0 – 2.5	
Other components below reportable levels		90 - 100	

*The exact percentage (concentration) of composition has been withheld as a trade secret

Section 4: First Aid Measures

First Aid Measures

General Advice Ensure that medical personnel involved are aware of the materials involved and that they take precautions to protect themselves.

Eye Contact Hold eye open & rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice if irritation develops & persists.

Skin Contact Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice if irritation develops and persists.

Inhalation Move to fresh air. Get medical attention if symptoms persist.

Ingestion Rinse mouth. Have person sip a glassful of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. DO NOT give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Most important Symptoms/Effects Mild irritation on eyes and skin

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically and provide general supportive measures

Section 5: Fire Fighting Measures

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water fog, foam, dry chemical powder and carbon dioxide are all appropriate.

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient and spread fire. Dry chemical, carbon dioxide or foam is recommended.

Specific Hazards Arising from the Chemical

At elevated temperatures (over 130°F) aerosol containers may burst, vent or rupture; use equipment or shielding to protect personnel. Cool containers exposed to heat with water spray and remove container, if no risk is involved. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible.

Explosion Data

Sensitivity to Mechanical Impact Yes

Sensitivity to Static Discharge Yes

Flash Point Propellant is very low

Protective Equipment & Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with eyes & skin

Other Information Refer to protective measures in Sections 7 and 8

Environmental Precautions

Environmental Precautions See section 12 for additional ecological information

Methods and material for containment and cleaning up

Methods for Containment & Cleaning up

Keep unnecessary personnel away. Keep people away from and upwind of spill / leak. Emergency personnel need self-contained breathing equipment. If leak cannot be stopped remove product to well ventilated space and allow gas to disperse if safe to do so. Eliminate all ignition sources (no smoking, flares, sparks or flames in the immediate area). Keep combustibles away from spilled material. Stop leak if

you can or move safely to another area and allow gas to disperse. Prevent further leakage or spillage into waterways, sewers, basements or other confined spaces if safe to do so. Care must be taken if spilled on surfaces as they may become extremely slippery. Use non-flammable diking or absorbent. Contain liquid, absorb & containerize.

Section 7: Handling and Storage

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practices. Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not re-use empty containers. Do not get in eyes, on skin or on clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment and observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Storage

Level 1 Aerosol

Pressurized container. Keep containers sealed below 120°F in a dry, well-ventilated space away from heat or direct sunlight.

Incompatible Products None known.

Section 8: Exposure Control/ Personal Protection

Control Parameters

Occupational Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA (PEL)	NIOSH – all TWA
2-Butoxyethanol (CAS 111-76-2)	20 ppm-TWA	50 ppm	5 ppm
Ethyl Alcohol (CAS 64-17-5)	1000 ppm (STEL)	1000 ppm	1000 ppm
Propane (CAS 74-98-6)	None	1000 ppm	1000 ppm
Butane (CAS 106-97-8)	1000 ppm (STEL)	None	800 ppm

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value. OSHA PEL: Occupation Safety & Health Administration – Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Exposure Guidelines

US-California, Minnesota, Tennessee, NIOSH & OSHA

2-Butoxyethanol (CAS 111-76-2) Can be absorbed through skin – skin designation applies

Appropriate Engineering Controls

Engineering Measures Showers, Eyewash Stations, Ventilation Systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection If splashes are likely to occur, wear safety glasses with side-shields. None required for general use.

Skin/Body Protection No special protective equipment required

Respiratory Protection Use adequate ventilation to maintain exposure limits – generally 10 air exchanges per hour should be used. If irritation is experienced or exposure limits cannot be maintained, use approved respiratory protection in accordance with local regulations.

Hygiene Measures Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes or clothing. Do not eat, drink, or smoke when using this product.

Discretion Advised We take no responsibility for determining what measures are required for person protection in any specific application. The general information should be used with discretion.

Section 9: Physical and Chemical Properties

Physical and Chemical Properties

Physical State	Thin liquid		
Appearance	Clear mist as dispensed from can	Odor	Characteristic
Color	Light yellow	Odor Threshold	Not available

<u>Property</u>	<u>Values</u>	<u>Remarks / Method</u>
pH	9.1 – 10.0 est	None known
Melting / Freezing Point	Freeze 32°F / 0°C	None known
Boiling Point / Range	212°F / 100°C	None known
Flash Point	-156 F (-104 C)	None known
Evaporation Rate	Not available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air	No data available	None known
Upper Flammability Limit	No data available	None known
Lower Flammability Limit	No data available	None known
Vapor Pressure	80 – 100 psig @70F est	None known
Vapor Density	No data available	None known
Specific Gravity	0.977 – 0.997	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Kinematic Viscosity	No data available	None known
Dynamic Viscosity	No data available	None known

Explosive Properties	Not Explosive
Oxidizing Properties	No data available

Other Information

Aerosol spray enclosed space		
Deflagration density	>2.52 g/cm ³ Tested	None known
Aerosol spray ignition distance	<15 cm Tested (est)	
Particle Size Distribution	No data available	

Section 10: Stability and ReactivityReactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability

Liquid product remains stable in all conditions – most stable under recommended storage conditions

Possibility of Hazardous Reactions

None under normal processing. Hazardous polymerization does not occur.

Conditions to avoid

Heat, spark & open flame. Avoid temperatures over 130 F.

Incompatible materials

Water-based product. Strong oxidizers, strong caustics, strong acids

Hazardous Decomposition Products

Combustion will produce carbon monoxide, carbon dioxide and hydrocarbons.

Section 11: Toxicological InformationInformation on likely routes of exposure**Product Information**

Inhalation	Exposure to vapor or mist may irritate respiratory tract.
Eye Contact	May cause temporary eye irritation.
Skin Contact	No adverse effects due to skin contact are expected. 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.
Ingestion	Expected to be a low ingestion hazard. Ingestion may cause irritation to mucous membranes and gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Symptoms	May cause redness and tearing of the eyes and skin redness. <u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u>
Sensitization	No information available
Mutagenic Effects	No information available
Carcinogenicity	Contains no ingredients listed as a carcinogen according to NTP, IARC or OSHA
Reproductive Toxicity	No information available
STOT – single exposure	No information available
STOT – repeated exposure	No information available
Chronic Toxicity	Prolonged inhalation may be harmful. May be harmful if absorbed through the skin.
Target Organ Effects	Respiratory system, eyes, skin, gastrointestinal tract (GI)
Aspiration Hazard	Not an aspiration hazard. Not likely, due to the form of the product.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document Not applicable

Section 12: Ecological Information

Ecotoxicity

No information available

Persistence and Degradability

No data is available.

Bioaccumulation

No information available

Partition Coefficient n-octanol / water (log Kow)

2-Butoxyethanol	0.83
Butane	2.89
Ethyl Alcohol	- 0.31
Propane	2.36

Other Adverse Effects

No information available

Section 13: Disposal Considerations

Disposal Methods

Do not puncture or burn containers. Give empty, leaking, or full containers to disposal service equipped to handle and dispose of aerosol (pressurized) containers. Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Contaminated Packaging

Do not reuse containers. Dispose of in accordance with all applicable federal, state and local regulations.

Section 14: Transport Information

Class 55 – 80 Non-Hazardous Product depending on package

DOT

UN 1950
Aerosols (limited quantity). Class 2.2,
Consumer Commodity Hazard Class: ORM-D

Marine Transport (IMDG/IMO)

Aerosols (limited quantity). Class 2.2, UN No. 1950

IATA (Air)

Aerosols (limited quantity). Non-flammable. Class 2.2,
ERG Code 2L UN No. 1950
Passenger & Cargo Aircraft Allowed.

Section 15: Regulatory Information

Chemical Inventories

US Federal Regulations

This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA

All components of this product are either on the TSCA 8(b) Inventory or are otherwise exempt from listing.

DSL/NDSL All components are on the DSL or NDSL.

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

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

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does NOT contain any chemicals which are subject to the reporting requirements of the Act of Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40CFR68.130)

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Safe Drinking Water Act – not regulated

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or SARA (40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.

U.S. State Regulations
California Proposition 65

This product does not contain any Proposition 65 chemicals currently listed as carcinogens or reproductive toxins.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	
2-Butoxyethanol (CAS 111-76-2)	yes	yes	yes		
Butane (CAS 106-97-8)	yes	yes	yes	yes	
Ethyl Alcohol (CAS 64-17-5)	yes	yes	yes		
Propane (CAS 74-98-6)	yes	yes	yes	yes	

International Regulations
Canada

WHMIS Hazard Class – A

Section 16: Other Information

HMIS CODES: Health Hazard - 1
Flammability – 2
Reactivity - 0
Personal Protection - X

DATE PREPARED: 10/14/2015

NAME OF PREPARER: DH

REVISION DATE: New

REVISION NOTE: New

General Disclaimer

CAUTION: Intentional misuse of this chemical product, as with any industrial chemical in contact with the body, can be harmful or fatal. This includes such things as deliberately breathing, placing in mouth, swallowing, placing on skin, or any other contact, or repeated or continuous contact.

Premalux, LLC provides this information in good faith, but makes no representation as to its comprehensiveness or its accuracy. This document is offered as a guide to a trained person for appropriate precautionary handling. Persons using the product and receiving the information must exercise independent judgement in determining the appropriateness of the use and safety information for their particular purpose.

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End of Safety Data Sheet