



Zep Commercial Sales & Service  
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# Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name**            **Foaming Glass Cleaner**  
**Product code**            **ZUFGC19**  
**Date of issue**            **02/05/13**            **Supersedes 10/05/12**

### Emergency Telephone Numbers

**For MSDS Information:**  
 Compliance Services 404-352-1680

**For Medical Emergency**  
 (877) 541-2016 Toll Free - All Calls Recorded

**For Transportation Emergency**  
 CHEMTREC: (800) 424-9300 - All Calls Recorded  
 In the District of Columbia (202) 483-7616

**Prepared By**  
 Compliance Services  
 1420 Seaboard Industrial Blvd.  
 Atlanta, GA 30318

## Section 2. Hazards Identification

### Emergency overview

\*Hazard Determination System (HDS): Health, Flammability, Reactivity

**WARNING!**



CAUSES EYE IRRITATION. HARMFUL IF ABSORBED THROUGH SKIN. CONTENTS UNDER PRESSURE.

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Acute Effects

### Routes of Entry

Dermal contact. Eye contact. Inhalation.

- Eyes**            Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.
- Skin**            May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.
- Inhalation**    May cause respiratory irritation. Inhalation of spray mists or vapors may cause central nervous system depression characterized by headache, dizziness, nausea, and/or stupor.
- Ingestion**    Unlikely in this form. May be harmful if swallowed. Ingestion may cause nausea, weakness and central nervous system effects. Can cause gastrointestinal disturbances.

**Chronic effects**    Contains material which may cause damage to the following organs: blood, kidneys, liver, heart, spleen, lymphatic system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

**Carcinogenicity**    No known significant effects or critical hazards.

### Product/ingredient name

Not available.

**Additional Information: See Toxicological Information (Section 11)**

## Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS number</u>	<u>% by Weight</u>
Ethanol; Ethyl Alcohol	64-17-5	1 - 5
Butane	106-97-8	1 - 5
IPA; Isopropyl Alcohol; propan-2-ol	67-63-0	1 - 5

**Section 4. First Aid Measures**

- Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.
- Skin Contact** Flush affected skin with plenty of water. Get medical attention if irritation develops.
- Inhalation** Move exposed person to fresh air. If irritation persists, get medical attention.
- Ingestion** Do not induce vomiting unless directed to do so by medical personnel. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

National Fire Protection Association (U.S.A.)



- Flash Point** Not available.
- Flammable Limits** Not available.
- Flammability** Non-flammable Aerosol. (16 CFR 1500.45)
- Fire hazard** In a fire or if heated, a pressure increase will occur and the container may burst. Bursting aerosol containers may be propelled from a fire at high speed.
- Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire. Cool closed containers exposed to fire with water. Fire-fighters should wear appropriate protective equipment.

**Section 6. Accidental Release Measures**

- Spill Clean up** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Section 7. Handling and Storage**

- Handling** Put on appropriate personal protective equipment (see section 8). Store and use away from heat, sparks, open flame or any other ignition source. Avoid contact with eyes, skin and clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Observe label precautions. Wash thoroughly after handling.
- Storage** CONTENTS UNDER PRESSURE. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight. Keep out of the reach of children.

**Section 8. Exposure Controls/Personal Protection****Product name**

Ethanol; Ethyl Alcohol

**Exposure limits****ACGIH TLV (United States, 2/2010).**

STEL: 1000 ppm 15 minute(s).

**OSHA PEL 1989 (United States, 3/1989).**

TWA: 1000 ppm 8 hour(s).

TWA: 1900 mg/m<sup>3</sup> 8 hour(s).**NIOSH REL (United States, 6/2009).**

TWA: 1000 ppm 10 hour(s).

TWA: 1900 mg/m<sup>3</sup> 10 hour(s).**OSHA PEL (United States, 6/2010).**

TWA: 1000 ppm 8 hour(s).

TWA: 1900 mg/m<sup>3</sup> 8 hour(s).

Butane

**OSHA PEL 1989 (United States, 3/1989).**

TWA: 800 ppm 8 hour(s).

TWA: 1900 mg/m<sup>3</sup> 8 hour(s).**NIOSH REL (United States, 6/2009).**

TWA: 800 ppm 10 hour(s).

TWA: 1900 mg/m<sup>3</sup> 10 hour(s).**ACGIH TLV (United States, 2/2010).**

TWA: 1000 ppm 8 hour(s).

IPA; Isopropyl Alcohol; propan-2-ol

**ACGIH TLV (United States, 2/2010).**

TWA: 200 ppm 8 hour(s).

STEL: 400 ppm 15 minute(s).

**OSHA PEL 1989 (United States, 3/1989).**

TWA: 400 ppm 8 hour(s).

TWA: 980 mg/m<sup>3</sup> 8 hour(s).

STEL: 500 ppm 15 minute(s).

STEL: 1225 mg/m<sup>3</sup> 15 minute(s).**NIOSH REL (United States, 6/2009).**

TWA: 400 ppm 10 hour(s).

TWA: 980 mg/m<sup>3</sup> 10 hour(s).

STEL: 500 ppm 15 minute(s).

STEL: 1225 mg/m<sup>3</sup> 15 minute(s).**OSHA PEL (United States, 6/2010).**

TWA: 400 ppm 8 hour(s).

TWA: 980 mg/m<sup>3</sup> 8 hour(s).

**Personal Protective Equipment (PPE)**

- Eyes** Safety glasses.
- Body** For prolonged or repeated handling, use the following type of gloves: Neoprene gloves. Nitrile gloves. Rubber gloves.
- Respiratory** Use with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid. [Aerosol. Clear.]	<b>Color</b>	Colorless.
<b>pH</b>	10 to 11	<b>Odor</b>	Pleasant.
<b>Boiling Point</b>	Not available.	<b>Vapor Pressure</b>	Not available.
<b>Specific Gravity</b>	0.986	<b>Vapor Density</b>	Not available.
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	>1 (Water = 1)
		<b>VOC (Consumer)</b>	9.9 % (w/w) 0.811 lbs/gal (97.2 g/l)

**Section 10. Stability and Reactivity**

- Stability and Reactivity** The product is stable.
- Incompatibility** Reactive or incompatible with the following materials: oxidizing materials.
- Hazardous Polymerization** Under normal conditions of storage and use, hazardous polymerization will not occur.
- Hazardous Decomposition Products** carbon oxides (CO, CO<sub>2</sub>)

**Section 11. Toxicological Information****Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
ethanol	LC50 Inhalation Vapor	Rat	124700 mg/m3	4 hours
	LD50 Oral	Rat	7 g/kg	-
Butane	LC50 Inhalation Vapor	Rat	658000 mg/m3	4 hours
	LD50 Dermal	Rabbit	12800 mg/kg	-
LD50 Oral		Rat	5000 mg/kg	-

**Section 12. Ecological Information**

- Environmental Effects** Not available.

**Aquatic Ecotoxicity**

Product/ingredient name	Test	Result	Species	Exposure
ethanol	-	Acute LC50 25500 ug/L	Crustaceans - Brine shrimp - Artemia	48 hours
		Marine water	franchiscana - Larvae	
propan-2-ol	-	Acute LC50 1400000 ug/L	Crustaceans - Common shrimp, sand shrimp - Crangon crangon	48 hours
		Marine water	Fish - Western mosquitofish - Gambusia affinis - 20 to 30 mm	
	-	Acute LC50 >1400000 ug/L		96 hours


**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

- Waste Stream** Classification: Non-hazardous waste by Characteristic.  
Origin: RCRA waste.

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
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<b>DOT Classification</b>	-	Consumer commodity	ORM-D	-	
<b>TDG Classification</b>	-	Limited quantity or Consumer commodity	-	-	
<b>IMDG Class</b>	UN1950	AEROSOLS, non-flammable	2.2	-	

**NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.**

PG\* : Packing group

### Section 15. Regulatory Information

#### U.S. Federal Regulations

SARA 313 toxic chemical notification and release reporting:

Product name

propan-2-ol  
2-butoxyethanol

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

#### State Regulations

**California Prop 65** No products were found.

#### Canada

##### WHMIS (Canada)

Class A: Compressed gas.

Class D-2B: Material causing other toxic effects (Toxic).

### Section 16. Other Information

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.  
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.