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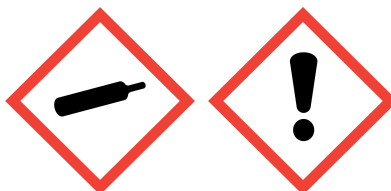
**PRODUCT: Emzone Foaming Glass Cleaner - 517 g**

**CODE: P6-044005**

### SECTION 01: IDENTIFICATION

Manufacturer..... Empack Spraytech Inc.  
Product Item Numbers..... P6-044005  
Product Identity..... Emzone Foaming Glass Cleaner - 517 g  
24 hour emergency telephone number..... CANUTEC: 1-613-996-6666.  
Recommended Use..... Glass cleaner.  
Chemical Family..... Mixture.

### SECTION 02: HAZARD IDENTIFICATION



**Label Elements:**

Signal Word..... WARNING.  
Hazard Classification:  
Physical Hazards..... Aerosols - Category 3. Gases Under Pressure - Liquefied Gas.  
Health Hazards..... Skin Irritation - Category 2. Eye Irritation - Category 2A.  
Environmental Hazards..... Not Classified.  
Precautionary Statements:  
Hazard Statement..... H229:Pressurised container: May burst if heated (3). H280:Contains gas under pressure; may explode if heated (L). H315:Causes skin irritation. H319:Causes serious eye irritation.  
Prevention..... P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P251:Do not pierce or burn, even after use. P264+P265: Wash hands thoroughly after handling. Do not touch eyes. P280:Wear protective gloves. P280:Wear eye protection/face protection.  
Response..... P302+P352:IF ON SKIN: Wash with plenty of water. P332+P317:If skin irritation occurs: Get medical help. P362+P364:Take off contaminated clothing and wash it before reuse. P321:For specific treatment see section 4 on this SDS. P305+P351+P338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P317:If eye irritation persists: Get medical help.  
Storage..... P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F.  
Disposal..... P403:Store in a well ventilated place .  
Hazard(s) not otherwise classified (HNOC) None.  
Hazard(s) not otherwise classified (HNOC) None Known.

### SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Isopropyl alcohol	67-63-0	3-7
Isobutane	75-28-5	1-5
Ethoxydiglycol	111-90-0	1-5
D-Glucopyranose, oligomeric, C9-11-alkyl glycosides	132778-08-6	0.1-1
Disodium Lauryl Phenyl Ether Disulfonate	119345-04-9	0.1-1

### SECTION 04: FIRST-AID MEASURES

Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance.  
Skin Contact..... Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Consult a poison control centre or physician immediately.  
Eye Contact..... Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.  
Ingestion..... Do not induce vomiting, get medical attention. Rinse mouth. Obtain medical advice.  
Most important symptoms/effects, acute .. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain.  
and delayed



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Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**SECTION 05: FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media.....

Dry chemical powder. Carbon dioxide. Foam, water spray or fog.

Unsuitable Extinguishing Media.....

Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Chemical

In case of fire, the following can be released: Carbon Oxides (CO, CO<sub>2</sub>), Other unidentified Organic Compounds.

Special Protective Equipment and .....

Precautions for Firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

General Fire Hazards.....

Non-flammable aerosol.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective .....  
Equipment and Emergency Procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid walking through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).

Methods and Materials for Containment ..  
and Cleaning Up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Environmental Precautions.....

Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**SECTION 07: HANDLING AND STORAGE**

Precautions for Safe Handling.....

Pressurized container: 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 pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid breathing vapour of this product. Avoid contact with skin and eyes. Avoid prolonged exposure. Use in well-ventilated areas.

Conditions for Safe Storage including any  
Incompatibilities

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C (122°F). Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10).

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Isopropyl alcohol	400 ppm (980 mg/m <sup>3</sup> )	500 ppm (1,225 mg/m <sup>3</sup> )	400 ppm (980 mg/m <sup>3</sup> )	500 ppm (1,225 mg/m <sup>3</sup> )	400 ppm (980 mg/m <sup>3</sup> )	
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available	
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.					
Individual Protection Measures:						
Eye/Face Protection.....	Chemical splash goggles are recommended.					
Skin Protection.....	Chemical resistant gloves are recommended. Avoid contact with the skin. Wear appropriate chemical resistant clothing.					
Respiratory Protection.....	Use dust and mist respirator.					
Thermal Hazards.....	None Known.					
General Hygiene Considerations.....	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.					



**PRODUCT: Emzone Foaming Glass Cleaner - 517 g****CODE: P6-044005****SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Form..... Aerosol.  
 Physical Appearance..... Foam.  
 Odor..... Fragrance.  
 Odor Threshold (ppm)..... Not available.  
 Specific Gravity (Liquid)..... 0.989.  
 Specific Gravity (Aerosol)..... 0.9569.  
 Vapour Pressure (psig)..... Not available.  
 Vapour Density (Air=1)..... >1.  
 pH..... 10.5-11.  
 Boiling Point liquid (°C)..... Not available.  
 Melting/Freezing Point (°C)..... Not available.  
 Flash Point (°C), Method..... -82.8. Closed cup. (Propellant).  
 Flashback..... No.  
 Evaporation Rate (n-Butyl Acetate = 1)..... >1.  
 VOC Content..... NMT 10.  
 Solubility in water..... Soluble in water.  
 Aerosol Ignition Distance..... Ignition Distance of less than 15 cm.  
 Auto Ignition Temperature (°C)..... 460°C (860°F). (Propellant).  
 Lower Flammable Limit (% Vol)..... 1.8. (Propellant).  
 Upper Flammable Limit (% Vol)..... 8.8. (Propellant).  
 Note..... NMT = Not More Than.

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity ..... Product not reactive under normal conditions of use.  
 Chemical Stability..... Material is stable under normal conditions.  
 Possibility of Hazardous Reactions..... Will not occur.  
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.  
 Incompatible Materials..... Keep away from heat. Strong oxidizing agents.  
 Hazardous Decomposition Products..... See Section 05.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Isopropyl alcohol	73 mg/L (Rat - 4hrs)	3,636 mg/kg (Oral - Rat); 4,059 mg/kg (Dermal - Rabbit)
Isobutane	658 mg/L (Rat - 4 hrs)	Not available
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	No.	
Routes of entry - Skin & Eye.....	Yes.	
Routes of entry - Ingestion.....	Yes.	
Routes of entry - Skin Absorption.....	Yes.	
Symptoms Related to the Physical, Chemical and Toxicological Characteristics	Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Defatting of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.	
Acute Toxicity.....	No known significant effects.	
Skin Corrosion/Irritation.....	Causes skin irritation.	
Serious Eye Damage/Eye Irritation.....	Direct eye contact may cause slight redness. Spraying directly into the eyes may cause frostbite, damage to the cornea resulting in permanent eye injury.	
Respiratory or Skin Sensitization.....	Not expected to be a skin or respiratory sensitizers.	
Germ Cell Mutagenicity.....	No information is available, and no adverse effects are expected.	
Carcinogenicity.....	Not Classifiable as a Human Carcinogen.	
Reproductive Toxicity.....	No information is available, and no adverse effects are expected.	
STOT - Single Exposure.....	Not classified.	
STOT - Repeated Exposure.....	Not classified.	
Aspiration Hazard.....	Not classified.	
Chronic Effects.....	No long term chronic effects are known or anticipated.	

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity..... May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment.  
 Persistence and degradability ..... The product itself has not been tested.  
 Bioaccumulation Potential..... The product itself has not been tested.  
 Mobility in Soil..... The product itself has not been tested.  
 Other Adverse Effects..... None Known.



**PRODUCT: Emzone Foaming Glass Cleaner - 517 g****CODE: P6-044005****SECTION 13: DISPOSAL CONSIDERATIONS**

Appropriate Disposal Methods..... Dispose in accordance with local, provincial and federal regulations.

**SECTION 14: TRANSPORT INFORMATION**

TDG (Canada- Road)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty.  
 DOT (US-Road)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty., Consumer Commodity, ORM-D.  
 IMDG (International- Marine)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty.  
 IATA (International- Air)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty.

**SECTION 15: REGULATORY INFORMATION**

Canada Regulations..... Refer to Section 2 for a WHMIS 2015 Classification for this product.  
 Canadian Environmental Protection Act ... All ingredients listed appear on the Domestic Substances List (DSL).  
 (CEPA)  
 US Regulations  
 TSCA Inventory Status..... All components are listed on TSCA .  
 California Proposition 65..... This product does not contain any chemical(s) known to the state of California to cause cancer or reproductive toxicity.

**SECTION 16: OTHER INFORMATION**

Disclaimer..... The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

Abbreviations..... ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.

NFPA Storage Level..... Level 1.  
 Prepared by ..... Regulatory Affairs  
 Latest Revision ..... 2023-10-06