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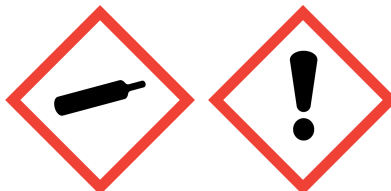
**PRODUCT: Emzone Glass Cleaner Ammonia Fortified - 517 g**

**CODE: P6-044003**

### SECTION 01: IDENTIFICATION

Manufacturer..... Empack Spraytech Inc.  
Product Item Numbers..... P6-044003  
Product Identity..... Emzone Glass Cleaner Ammonia Fortified - 517 g  
24 hour emergency telephone number..... CANUTEC: 1-613-996-6666.  
Recommended Use..... Glass cleaner.

### SECTION 02: HAZARD IDENTIFICATION



**Label Elements:**

Signal Word..... WARNING.  
Hazard Classification:  
Physical Hazards..... Aerosols - Category 3. Gases Under Pressure - Liquefied Gas.  
Health Hazards..... Eye Irritation - Category 2A.  
Environmental Hazards..... Not Classified.  
Hazard Statement..... H229:Pressurised container: May burst if heated (3). H280:Contains gas under pressure; may explode if heated (L). H319:Causes serious eye irritation.  
Precautionary Statements:  
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 eye protection/face protection.  
Response..... 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.  
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. If breathing is difficult, give oxygen and get medical attention.  
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. Get medical attention if irritation persists. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.  
Skin Contact..... Immediately flush the contaminated skin with soap and water. If this chemical penetrates clothing, immediately remove the clothing and flush the skin with water. If irritation persists after washing, get medical attention . Remove contaminated clothing. Launder clothing before reuse. If irritation occurs consult with your doctor.  
Ingestion..... Do not induce vomiting, get medical attention. Rinse mouth. Obtain medical advice.  
Most important symptoms/effects, acute .. Direct eye contact may cause temporary eye irritation.  
and delayed

**PRODUCT: Emzone Glass Cleaner Ammonia Fortified - 517 g****CODE: P6-044003****SECTION 04: FIRST-AID MEASURES**

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

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

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. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from immediate hazard area if it is safe to do.

General Fire Hazards.....

Non-flammable aerosol.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective Equipment and Emergency Procedures

Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Ensure adequate ventilation. Material can create slippery conditions. Remove all sources of ignition.

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.....

Wash thoroughly after 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. Avoid contact with eyes. Avoid breathing vapours or spray mists of this product. Use with adequate ventilation. Keep away from heat, sparks, and open flames.

Conditions for Safe Storage including any Incompatibilities

Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in direct sunlight. 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<br>STEL     | PEL                 | OSHA PEL<br>STEL      | REL NIOSH           |
|---------------------------------------|--|-----------------------|---------------------|-----------------------|---------------------|
| Isopropyl alcohol                     | 400 ppm (980 mg/m3)  | 500 ppm (1,225 mg/m3) | 400 ppm (980 mg/m3) | 500 ppm (1,225 mg/m3) | 400 ppm (980 mg/m3) |
| 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. Ground all equipment and cylinders before use.  |                       |                     |                       |                     |
| Individual Protection Measures:       |  |                       |                     |                       |                     |
| Eye/Face Protection.....              | Prevent eye contact, wear safety glasses in the event that eye contact is possible.  |                       |                     |                       |                     |
| Skin Protection.....                  | Normally, no hand protection is required; however, prolonged or repeated contact with skin use chemical resistant gloves conforming to appropriate regulations. Observe the instructions regarding permeability and breakthrough time that are provided by the supplier of the gloves. Use rubber or latex gloves when there is a potential for prolonged or excessive skin contact. |                       |                     |                       |                     |
| Respiratory Protection.....           | Use approved NIOSH respirators for emergencies. Typical use of this product under normal conditions does not require the use of respiratory protection. If airborne concentrations are above the applicable exposure limits (listed below), use NIOSH approved respiratory protection .  |                       |                     |                       |                     |
| 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 Glass Cleaner Ammonia Fortified - 517 g****CODE: P6-044003****SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State..... Aerosol.  
 Physical Appearance..... Foam.  
 Odour..... Fragrance.  
 Odour Threshold (ppm)..... Not available.  
 pH..... 10-11.  
 Boiling Point (°C)..... Not available.  
 Melting/Freezing Point (°C)..... Not available.  
 Vapour Pressure (psig)..... Not available.  
 Vapour Density (Air=1)..... >1.  
 Relative Density/Specific Gravity..... 0.950- 1.000.  
 Evaporation Rate (n-Butyl Acetate = 1)..... Not available.  
 VOC Content..... NMT 10.  
 Solubility in water..... Soluble.  
 Aerosol Flame Projection..... 0 cm.  
 Flashback..... No.  
 Auto Ignition Temperature (Propellant), °C 460°C (860°F). (Propellant).  
 Flash Point (°C), Method..... -82.8. Closed cup. (Propellant).  
 Lower Explosive Limit (% vol)..... 1.8. (Propellant).  
 Upper Explosive 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..... Stable at normal temperatures and pressures.  
 Possibility of Hazardous Reactions..... Will not occur.  
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.  
 Incompatible Materials..... Avoid contacting with oxidizers.  
 Hazardous Decomposition Products..... No hazardous decomposition products when stored and handled correctly.

**SECTION 11: TOXICOLOGICAL INFORMATION**

| INGREDIENTS  | LC50                   | LD50   |
|--|------------------------|--|
| Isopropyl alcohol  | 73 mg/L (Rat - 4hrs)   | 3,636 mg/kg (Oral - Rat);<br>4,059 mg/kg (Dermal - Rabbit) |
| Isobutane  | 658 mg/L (Rat - 4 hrs) | Not available  |
| Information on Likely Routes of Exposure:<br>Routes of entry - Inhalation..... No.<br>Routes of entry - Skin & Eye..... Yes.<br>Routes of entry - Ingestion..... Yes.<br>Routes of entry - Skin Absorption..... No.<br>Symptoms Related to the Physical, ..... 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.<br>Chemical and Toxicological Characteristics.....<br>Acute Toxicity..... No known significant effects.<br>Skin Corrosion/Irritation..... Based on available data, the classification criteria are not met.<br>Serious Eye Damage/Eye Irritation..... Causes serious eye irritation.<br>Respiratory or Skin Sensitization..... Not classified.<br>Germ Cell Mutagenicity..... No information is available, and no adverse effects are expected.<br>Carcinogenicity..... Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.<br>Reproductive Toxicity..... No information is available, and no adverse effects are expected.<br>STOT - Single Exposure..... No data available .<br>STOT - Repeated Exposure..... No data available .<br>Aspiration Hazard..... No data available .<br>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. This product contains the following substance which may also be hazardous for the environment: Isopropanol (CAS#: 67-63-0): Toxicity to fish: LC50 9,640 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 5,102 mg/L, 96 hrs; Toxicity to algae: EL50 >2,000 mg/L, 72 hrs.  
 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 Glass Cleaner Ammonia Fortified - 517 g****CODE: P6-044003****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.  
 US Regulations..... OSHA (29CFR 1910.1200).  
 TSCA Inventory Status..... All components are either listed or exempt from the TSCA.

**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 ..... 2024-01-31