

empackEmpack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571**PRODUCT: Emzone Carpet & Upholstery - 500g****CODE: 044016****Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Item Numbers..... 044016
 Product Identity..... Emzone Carpet & Upholstery - 500g
 Manufactured by..... Empack Spraytech Inc.
 98 Walker Drive
 Brampton
 Ontario
 Canada
 L6T 4H6
 905-792-6571
 24 hour emergency telephone number..... CANUTEC: (613)-996-6666 collect.
 Recommended Use..... Cleans carpets, fabrics, and vinyl.
 Consumer Commodity..... Yes.
 Hazard Ratings:
 HMIS..... Health: 1 Fire: 1 Reactivity: 0.
 NFPA Rating..... Health: 1 Fire: 1 Reactivity: 0.

Section 02: HAZARDS IDENTIFICATION

Emergency Overview..... Contents under pressure. Container may explode if heated. Contents may be harmful. May irritate eyes and skin. Do not puncture. Do not burn. Do not get in eyes, skin or clothing. Do not breathe fumes. KEEP OUT OF REACH OF CHILDREN .

Potential Health Effects:
 Eye Contact..... This product causes irritation, redness and pain.
 Skin Contact..... Can cause skin irritation. Prolonged or repeated contact may dry the skin.
 Ingestion..... Ingestion may cause headache, nausea, vomiting and weakness.
 Inhalation..... Inhalation of solvents or dust may cause irritation.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Isopropyl Alcohol	67-63-0	15-30
2-Butoxyethanol	111-76-2	3-7
Isobutane	75-28-5	5-10
Ammonia Solution	7664-41-7	0.1-1

Section 04: FIRST AID MEASURES

Eye Contact..... Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists.
 Skin Contact..... Wash thoroughly with soap and lukewarm water.
 Ingestion..... If swallowed, get medical attention immediately.
 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.
 Additional Information..... Note to the doctor; treat symptomatically.

Section 05: FIRE FIGHTING MEASURES

Flammability Class..... Non-flammable (but contains flammable gas).
 Extinguishing Media..... Wear NIOSH approved self-contained breathing apparatus or equivalent and full protective gear. Use water spray to cool fire-exposed containers in order to prevent pressure build up.
 Sensitivity to Mechanical Impact..... Not expected to be sensitive.
 Sensitivity to Static Discharge..... Not expected to be sensitive.

Section 06: ACCIDENTAL RELEASE MEASURES

Spills and Leaks..... Large spill or leak is unlikely in aerosol containers. If spill or leak occurs, ventilate enclosed spaces and disperse gas with floor-level forced-air ventilation. Exhaust vapours outdoors. Do not smoke or operate internal combustion engines. Remove flames and heating elements.

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Section 07: HANDLING AND STORAGE

Handling..... Do not breathe vapour or mist. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Keep away from heat.

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye/Type..... Safety glasses with side-shields.
 Skin/Type..... Not normally required. Use rubber or latex gloves when there is a potential for prolonged or excessive skin contact.
 Respiratory/Type..... Use dust and mist respirator.
 Engineering Controls..... Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.

Exposure Limits

Ingredients	TWA	ACGIH TLV		PEL	OSHA PEL		REL	NIOSH
			STEL			STEL		
Isopropyl Alcohol	400 ppm (983 mg/m ³)	500 ppm (1230 mg/m ³)		400 ppm (980 mg/m ³)	500 ppm (1,225 mg/m ³)		400 ppm (TWA)	
2-Butoxyethanol	20 ppm	Not available		50 ppm	Not available		Not available	
Isobutane	800 ppm	1000 ppm		800ppm	Not available		800 ppm (TWA)	
Ammonia Solution	25 ppm	35 ppm		50 ppm	Not available		25 ppm	

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State..... Aerosol.
 Physical Appearance..... Clear mist.
 Odour..... Fragrance.
 Odour Threshold (ppm)..... Not determined.
 pH..... 10-11.
 Vapour Pressure (psig)..... 25-35.
 Vapour Density (Air=1)..... > 1.
 Evaporation Rate (n-Butyl Acetate = 1)..... < 1 (n-Butyl Acetate = 1).
 Initial Boiling Point/Boiling Range (° C)..... 138-144.
 VOC Content..... Not available.
 Specific Gravity (Liquid)..... Not available.
 Specific Gravity (Aerosol)..... 0.910-0.970.
 Solubility in water..... Soluble in water.
 Aerosol Flame Projection..... Not available .
 Auto Ignition Temperature (Propellant), ° C.. 460 °C/860 °F.
 Flashback..... No data .
 Flash Point (° C), Method..... Closed cup: -83.15 °C (-117.7 °F).
 Lower Flammable Limit (% Vol)..... 1.8.
 Upper Flammable Limit (% Vol)..... 8.5.

Section 10: STABILITY AND REACTIVITY

Stability..... Stable at normal temperatures and pressures.
 Incompatibility..... Strong oxidizing agents.
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.
 Hazardous Products of Decomposition..... May form carbon dioxide and carbon monoxide, various hydrocarbons.
 Hazardous Polymerization..... Will not occur.

Section 11: TOXICOLOGICAL INFORMATION

Route of Exposure..... Skin contact, Skin absorption, Eye contact, Inhalation, and Ingestion.
 Effects of Acute Exposure..... High vapor/aerosol concentrations may be irritating to eyes. Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. In high concentrations, vapors and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Effects are reversible .
 Effects of Chronic Exposure..... Long term exposure to vapour may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system.
 Carcinogenicity of Material..... None known when used below acute toxicity limit.
 Reproductive Effects..... No information is available, and no adverse effects are expected. Reproductive Effects.
 Teratogenicity..... No information is available, and no adverse effects are expected.
 Mutagenicity..... No information is available, and no adverse effects are expected.

Toxicological Data

Ingredients	LC50	LD50
Isopropyl Alcohol	>20,000 ppm (4hrs-rat)	4,700 - 5,800 mg/kg (oral, rat)
2-Butoxyethanol	450 ppm (4hr, rat)	470 mg/kg (4hr, oral, rat)

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Section 11: TOXICOLOGICAL INFORMATION

Ingredients	LC50	LD50
Isobutane	658 mg/L (4hrs, rat)	Not available
Ammonia Solution	2,000 (rat- 4hrs)	Not applicable

Section 12: ECOLOGICAL INFORMATION

Environmental..... Liquid release is only expected to cause localized, non-persistent environmental damage, such as freezing.

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

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

Section 15: REGULATORY INFORMATION

Canada..... WHMIS Classification. A: Compressed gas. D2B: Material causing other toxic Materials.
 USA..... Environmental Protection Act: Constituents of this product are included on the TSCA inventory. OSHA (29CFR 1910.1200) Classification: Compressed Gas. HIMS Classifications: see section 01.

Section 16: OTHER INFORMATION

Disclaimer..... The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Empack assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees 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. THIS SDS IS VALID FOR THREE YEARS.

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; WHIMIS: Workplace Hazardous Materials Information System.

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