

empackEmpack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571**PRODUCT: Emzone Salt Stain remover BOV 425g****CODE: 044039****Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... Emzone Salt Stain remover BOV 425g
 Product Item Numbers..... 044039
 Manufacturer Name and Address..... 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..... Salt and stain remover.
 TDG Classification..... AEROSOLS, Class 2.2, UN1950.
 Hazard Ratings:
 HMIS..... Health: 1 Fire: 0 Reactivity: 0.
 NFPA Rating..... Health: 1 Fire: 0 Reactivity: 0.

Section 02: HAZARDS IDENTIFICATION

Emergency Overview..... Contents under pressure. Can decompose at high temperatures forming toxic gases.
 Product can be harmful if swallowed. Do not spray on eyes.
 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..... Harmful if swallowed. Ingestion may cause vomiting and weakness.
 Inhalation..... Inhalation of vapour may cause irritation.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Acids blend	mix	1-5
Surfactants	mix	1-5
2-Butoxyethanol	111-76-2	0.1-1.0

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..... Do not induce vomiting, get medical attention.
 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. Do not give adrenaline, epinephrine or similar drugs following exposure to this product.
 Additional Information..... Note to the doctor, treat symptomatically.

Section 05: FIRE FIGHTING MEASURES

Flammability Class..... Non-Flammable.
 Conditions..... Not applicable.
 Fire and Explosion Hazards..... May decompose on contact with flames or extremely hot metal surfaces to produce toxic and corrosive products. Thermal decomposition products are toxic and may include oxides of carbon.
 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. Do not flush to sewer or allow to enter drains, waterways, or confined spaces.

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Section 07: HANDLING AND STORAGE

Handling..... Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Do not breathe vapour or mist. Do not enter confined spaces unless adequately ventilated.

Storage..... Store in a tightly closed container.

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye/Type..... Chemical safety goggles should be worn to prevent contact with the eyes.

Skin/Type..... Use rubber or latex gloves when there is a potential for prolonged or excessive skin contact.

Respiratory/Type..... Not required on a short-term basis or if exhaust ventilation is provided. Wear an NIOSH-approved air-purifying respirator equipped with organic vapour cartridges for mists and vapours. Use approved NIOSH respirators for emergencies.

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			
Acids blend	Not available	Not available		Not available	Not available		Not available	Not available
Surfactants	Not established	Not established		Not established	Not established		Not available	Not available
2-Butoxyethanol	20 ppm	Not available		50 ppm	Not available		Not available	Not available

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State..... Aerosol.

Physical Appearance..... Clear mist.

Odour..... Citrus Odour.

Odour Threshold (ppm)..... Not available.

pH..... 2.0 - 3.0.

Vapour Density (Air=1)..... Not available.

Evaporation Rate (n-Butyl Acetate = 1)..... < 1 (n-Butyl Acetate = 1).

Initial Boiling Point/Boiling Range (° C)..... 100.

Flash Point (° C), Method..... Not applicable.

Specific Gravity (g/ml)..... 1.015 @ 21C.

Internal can pressure @ 21° C..... 30 - 60 psi.

Solubility in water..... Soluble in water.

Auto Ignition Temperature (Propellant), ° C..... Not applicable.

Aerosol Flame Projection..... Not applicable.

Flashback..... Not applicable.

Lower Flammable Limit (% Vol)..... Not applicable.

Upper Flammable Limit (% Vol)..... Not applicable.

Section 10: STABILITY AND REACTIVITY

Stability..... Stable at normal temperatures and pressures.

Incompatibility..... Strong oxidizing agent or strong alkaline.

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..... May cause dermatitis, irritation to eyes, dizziness, and vomiting.

Effects of Chronic Exposure..... Avoid prolonged skin contact, use in well ventilated conditions.

Carcinogenicity of Material..... None known when used below acute toxicity limit.

Reproductive Effects..... No information is available, and no adverse effects are expected.

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-inh, rat	LD50-Oral, rat
Acids blend	Not available	Not available
Surfactants	Not available	Not available
2-Butoxyethanol	450 ppm (4 hrs)	470 mg/kg

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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 of in accordance with local, provincial and federal regulations.

Section 14: TRANSPORT INFORMATION

Ground..... Limited quantity.
 Air..... Not available.
 Sea..... Limited quantity.

Section 15: REGULATORY INFORMATION

Canada..... WHMIS Classification: A: Compressed gas. D2B: Material causing other toxic Materials. E: Corrosive material.
 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 MSDS contains all the information required by the CPR. THIS MSDS IS VALID FOR THREE YEARS.

Prepared by Regulatory Affairs
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