

**empack**Empack Spraytech Inc.  
98 Walker Drive  
Brampton, Ontario, L6T 4H6  
Canada  
905-792-6571**PRODUCT: Emzone Waterless Wash and Wax - 496g****CODE: 044038****Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... Emzone Waterless Wash and Wax - 496g  
 Product Item Numbers..... 044038  
 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..... Waterless Auto Wash and Wax.  
 Consumer Commodity..... Yes.  
 Hazard Ratings:  
 HMIS..... Health: 1 Fire: 2 Reactivity: 1.  
 NFPA Rating..... Health: 1 Fire: 2 Reactivity: 1.

**Section 02: HAZARDS IDENTIFICATION**

Emergency Overview..... Flammable. Contents under pressure. May catch fire. Do not puncture. Do not burn. Do not get in eyes or clothing. Do not swallow . Do not breathe fumes. KEEP OUT OF REACH OF CHILDREN .

Potential Health Effects:  
 Eye Contact..... May cause irritation, redness and pain.  
 Skin Contact..... Can cause skin irritation. Prolonged or repeated contact may dry the skin.  
 Ingestion..... Harmful if swallowed.  
 Inhalation..... Inhalation of vapour may cause irritation.

**Section 03: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients	CAS #	Wt. %
Petroleum Distillates	8052-41-3	10-30
Hydrous Magnesium Silicate	14807-96-6	3-7
Isobutane	75-28-5	5-10
Propane	74-98-6	5-10
Petroleum Naphtha	64742-89-8	1-5
Antistatic (and) UV agents	Proprietary	<1
Ethylene Glycol	107-21-1	<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..... Immediately call a poison control centre or physician. Do not induce vomiting unless told to do so by a poison control centre or physician. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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..... Flammable.

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.

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CODE: 044038

**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.

**Section 07: HANDLING AND STORAGE**

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

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

Eye/Type..... Safety glasses with side-shields.  
 Skin/Type..... Use gloves and protective clothing against cold temperature made from viton, butyl rubber, PVC, neoprene or nitrile.  
 Respiratory/Type..... Not required on a short-term basis or if exhaust ventilation is provided. 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 STEL	PEL	OSHA PEL STEL	REL NIOSH
Petroleum Distillates	100 ppm	Non disponsible	500 ppm	Non disponsible	Non disponsible
Hydrous Magnesium Silicate	2 mg/m3	Not established	Not established	Not established	Not established
Isobutane	800 ppm	1000 ppm	800ppm	Not available	800 ppm (TWA)
Propane	2,500 ppm	Not available	1,000 ppm	Not available	1,000 ppm
Petroleum Naphtha	Not established	Not established	Not established	Not established	Not established
Antistatic (and) UV agents	Not available	Not available	Not available	Not available	Not available
Ethylene Glycol	Not Available	Not Available	Not Available	Not Available	Not Available

**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State..... Aerosol.  
 Physical Appearance..... Milky straw.  
 Odour..... Fragrance.  
 Odour Threshold (ppm)..... Not available.  
 pH..... 8.0 - 8.5.  
 Vapour Pressure (psig)..... 40-50.  
 Vapour Density (Air=1)..... > 1.  
 Evaporation Rate (n-Butyl Acetate = 1)..... < 1 (n-Butyl Acetate = 1).  
 Initial Boiling Point/Boiling Range (° C)..... 235-255.  
 VOC Content..... > 75%.  
 Specific Gravity (liquid)..... 0.940- 1.000.  
 Specific Gravity (Aerosol)..... 0.820- 0.870.  
 Solubility in water..... Soluble in water.  
 Aerosol Flame Projection..... No data.  
 Auto Ignition Temperature (Propellant), ° C.. 460 °C/860 °F.  
 Flashback..... No.  
 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. High temperatures may cause thermal decomposition.  
 Hazardous Products of Decomposition..... May form carbon dioxide and carbon monoxide, various hydrocarbons.  
 Hazardous Polymerization..... Will not occur.

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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	LD50
Petroleum Distillates	5500 mg/m <sup>3</sup>	>5000 mg/kg
Hydrous Magnesium Silicate	No data	No data
Isobutane	658 mg/L (4hrs, rat)	Not available
Propane	>800,000 ppm (15 min, Inh. rat)	Not available
Petroleum Naphtha	3400 ppm (4 hrs - rat)	5000 mg/kg (rat - oral); 3160 mg/kg (rabbit - dermal)
Antistatic (and) UV agents	Not available	Not available
Ethylene Glycol	Not Available	4700 mg/kg (rat - oral)

**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 2.1, UN1950.  
 DOT (US-Road)..... AEROSOLS, Class 2.1, UN1950, LTD. QTY. OR ORM-D.  
 IMDG (International- Marine)..... AEROSOLS, Class 2.1, UN1950.  
 IATA (International- Air)..... AEROSOLS, Class 2.1, UN1950, LTD QTY.

**Section 15: REGULATORY INFORMATION**

Canada..... WHMIS Classification. A: Compressed gas. B5: Flammable Aerosol. 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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