

empackEmpack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571**PRODUCT: emzone Penetrating Lubricant - 400g****CODE: P6-045002****SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... emzone Penetrating Lubricant - 400g
 Product Item Numbers..... P6-045002
 Manufacturer..... 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..... Lubricant.
 Consumer Commodity..... Yes.
 Hazard Ratings:
 HMIS..... Health: 1 Fire: 3 Reactivity: 1.
 NFPA Rating..... Health: 1 Fire: 3 Reactivity: 1.

SECTION 02: HAZARDS IDENTIFICATION

Emergency Overview..... Container is under pressure. May catch fire. Container may explode if heated. Do not puncture. Do not burn. Do not get in eyes or clothing. 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..... Ingestion is not a likely route of exposure. If it occurs, do not induce vomiting.
 Inhalation..... Inhalation of vapour may cause irritation. Prolonged exposure to an oxygen-deficient atmosphere may be fatal.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Lubricating Oils	64742-58-1	60- 100
Propane	74-98-6	10-30
Isobutane	75-28-5	7-13
Rust Inhibitor	proprietary	1-5

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 exposed area with soap and water. If irritation or redness develops, seek medical attention. Remove contaminated clothing. Launder clothing before reuse.
 Ingestion..... Ingestion is not a likely route of exposure.
 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..... Flammable.
 Extinguishing Media..... Use media suitable to the surrounding fire such as foam, dry chemical or water fog.
 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. Remove all sources of ignition.

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Precautions for Safe Handling..... Use with adequate ventilation. Do not breathe vapour or mist. Keep container tightly closed. Do not enter confined spaces unless adequately ventilated. Do not store in temperatures above 120°F (50°C).

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Lubricating Oils	Not available	Not available	Not available	Not available	Not available
Propane	2,500 ppm	Not available	1,000 ppm	Not available	1,000 ppm
Isobutane	800 ppm	1000 ppm	800ppm	Not available	800 ppm (TWA)
Rust Inhibitor	Not available	Not available	Not available	Not available	Not available
Eye/Face Protection.....	Do not get in eyes. Wear safety glasses with side-shields.				
Skin Protection.....	Use rubber or latex gloves when there is a potential for prolonged or excessive skin contact.				
Respiratory Protection.....	Not required on a short-term basis or if exhaust ventilation is provided. Use approved NIOSH respirators for emergencies.				
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.				
Exposure Limits					

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State..... Aerosol.
 Physical Appearance..... Honey .
 Odour..... Odourless.
 Odour Threshold (ppm)..... Not available.
 pH..... Not applicable.
 Vapour Pressure (psig)..... 80-110.
 Vapour Density (Air=1)..... Not available.
 Evaporation Rate (n-Butyl Acetate = 1)..... > 1 .
 Boiling Point (propellant), ° C..... > 148.8 ° C.
 VOC Content..... > 95 wt%.
 Specific Gravity 0.740 - 0.780.
 Specific Gravity (Aerosol)..... 0.865- 0.895 .
 Solubility in water..... Nil.
 Aerosol Flame Projection..... Not available .
 Auto Ignition Temperature (Propellant), °C... 460°C (860°F).
 Flashback..... No.
 Flash Point (°C), Method..... -83.15°C/ -117.7°F.
 Lower Flammable Limit (% Vol)..... 1.8.
 Upper Flammable Limit (% Vol)..... 9.5.

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Lubricating Oils	Not available	>2000 mg/Kg (rat-oral), >2000 mg/kg (rat-dermal), >4480 mg/kg (rabbit-dermal)
Propane	>800,000 ppm (15 min,Rat)	Not available
Isobutane	658 mg/L (4hrs, rat)	Not available
Rust Inhibitor	Not available	Not available
Route of Exposure.....	Inhalation, Eye contact, and ingestion.	

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Effects of Acute Exposure..... Harmful if swallowed or inhaled. Repeated or prolonged contact may cause slight irritation to the skin. May cause irritation to the eyes.

Chronic Effects..... No known adverse effects .

Carcinogenicity..... Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.

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

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

Germ Cell Mutagenicity..... No information is available, and no adverse effects are expected.

Toxicological Data

SECTION 12: ECOLOGICAL INFORMATION

Environmental..... Complete information is not yet available. This product has not been tested. Based on information available on its ingredients, no adverse environmental impact is anticipated under intended use in accordance with instructions.

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, Consumer commodity 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 Regulations:..... WHMIS Classification. A: Compressed gas. B5: Flammable Aerosol. D2B: Material causing other toxic Materials.

US Regulations..... 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; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.

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