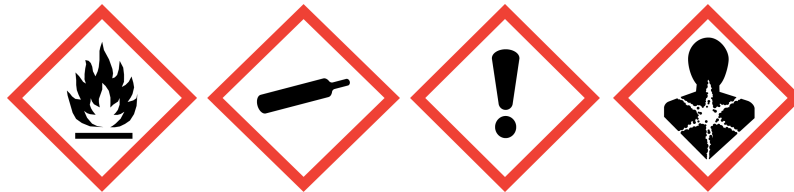


**empack**Empack Spraytech Inc.  
98 Walker Drive  
Brampton, Ontario, L6T 4H6  
Canada  
905-792-6571**PRODUCT: Emzone Penetrating Lubricant - 400 g****CODE: P6-045002****SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Item Numbers..... P6-045002  
 Product Identity..... Emzone Penetrating Lubricant - 400 g  
 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..... Frees rusted and corroded parts. Stops squeaks.  
 Consumer Commodity..... Yes.

**SECTION 02: HAZARDS IDENTIFICATION**

Hazard Classification:  
 Physical Hazards..... Flammable Aerosols - Category 1. Gases Under Pressure - Liquefied Gas .  
 Health Hazards..... Acute Toxicity Oral - Category 4. Aspiration Hazard - Category 2.  
 Environmental Hazards..... Acute Aquatic Hazard - Category 3. Chronic Aquatic Hazard - Category 3.  
 Label Elements:  
 Signal Word..... DANGER.  
 Hazard Statement..... Extremely flammable aerosol. Pressurized container: may burst if heated. Contains gas under pressure; may explode if heated. Harmful if swallowed . May be harmful if swallowed and enters airways. Harmful to aquatic life with long lasting effects.  
 Precautionary Statements:  
 Prevention..... Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash skin thoroughly after handling . Do not eat, drink, or smoke when using this product. Avoid release to the environment.  
 Response..... IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce vomiting. Rinse mouth. Collect spillage.  
 Storage..... Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F. Store in a well ventilated place .  
 Disposal..... Dispose of contents/ container in accordance with local/regional/national/international regulations.  
 Hazard(s) not otherwise classified (HNOC).. None Known.

**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

**SECTION 04: FIRST AID MEASURES**

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.  
 Skin Contact..... Remove contaminated clothing. Wash thoroughly with soap and lukewarm water. If irritation or redness develops, seek medical attention.  
 Ingestion..... Do not induce vomiting . If swallowed, get medical attention immediately.  
 Inhalation..... Move victim to fresh air. If breathing has stopped, give artificial respiration. If heartbeat absent, give external cardiac compression. Monitor breathing and pulse. If symptoms persist, call a physician.  
 Additional Information..... Note to the doctor; treat symptomatically.

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**SECTION 05: FIRE FIGHTING MEASURES**

Flammability Class.....	Extremely Flammable.
Conditions.....	Excessive heat, sparks and open flame.
Fire and Explosion Hazards.....	May decompose on contact with flames or extremely hot metal surfaces to produce toxic and corrosive products.
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**

Personal Precautions, Protective Equipment and Emergency Procedures	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid walking through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).
Emergency Procedures.....	Spilled product is flammable. Ensure that all sources of ignition are eliminated near the spilled material. Wipe up with a damp cloth. Rinse the cloth thoroughly and allow to dry before laundering.
Environmental Precautions.....	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
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).

**SECTION 07: HANDLING AND STORAGE**

Precautions for Safe Handling.....	Do not breathe vapour or mist. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Keep away from heat, sparks, and open flames. Do not puncture, burn or incinerate. Do not place near sources of heat. Keep from freezing.
Conditions for Safe Storage including any ... Incompatibilities	Contents under pressure. The pressure in sealed containers can increase under the influence of heat. Keep container tightly closed in a dry, cool and well-ventilated place. Do not store in temperatures above 120°F (50°C). Store away from incompatible materials. Do not puncture or incinerate. Keep out of reach of children.
Incompatibilities .....	Segregate storage away from materials indicated in Section 10.

**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	Not available
Propane	2,500 ppm	Not available	1,000 ppm	Not available	1,000 ppm	1,000 ppm
Isobutane	800 ppm	1000 ppm	800 ppm	Not available	800 ppm (TWA)	800 ppm (TWA)
Eye/Face Protection.....	Do not get in eyes. Wear safety glasses with side-shields.					
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.					
Respiratory Protection.....	Avoid breathing dust/fume/gas/mist/vapors/spray. If permissible levels are exceeded use NIOSH mechanical filter/organic vapor cartridge or an air-supplier.					
Appropriate Engineering Controls.....	Good general ventilation should be used. Ventilation rates should be matched to conditions. Use local exhaust ventilation to maintain airborne levels below the Threshold Limit Value.					

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State.....	Aerosol.
Physical Appearance.....	Honey .
Odour.....	Petroleum odor.
Odour Threshold (ppm).....	Not available.
pH.....	Not applicable.
Aerosol Vapour Pressure (psig, 21°C).....	80-110.
Vapour Density (Air=1).....	Not available.
Evaporation Rate (n-Butyl Acetate = 1).....	> 1 .
Boiling Point liquid (°C).....	129.5.
VOC Content.....	No data .
Specific Gravity (Liquid).....	0.86-0.89.

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**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Specific Gravity (Aerosol)..... 0.79-0.82.  
 Solubility in water..... Nil.  
 Aerosol Flame Projection..... Not available .  
 Auto Ignition Temperature (Propellant), °C... 460°C (860°F).  
 Flashback..... No.  
 Flash Point (°C), Method..... -104 °C (-156°F). Estimated. (Propellant).  
 Lower Flammable Limit (% Vol)..... 1.8. (Propellant).  
 Upper Flammable Limit (% Vol)..... 9.5. (Propellant).  
 Viscosity..... N/A.

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity ..... Product not reactive under normal conditions of use.  
 Chemical Stability..... Stable under the recommended storage and handling conditions.  
 Possibility of Hazardous Reactions..... Will not occur.  
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.  
 Incompatible Materials..... Strong oxidizing agents.  
 Hazardous Decomposition Products..... May form carbon dioxide and carbon monoxide, various hydrocarbons.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Lubricating Oils	Not available	>2,000 mg/kg (Oral - Rat); >4,480 mg/kg (Dermal - Rabbit)
Propane	658 mg/L (Rat - 4hrs)	Not available
Isobutane	658 mg/L (Rat - 4hrs)	Not available
Route of Exposure.....	Inhalation, Eye contact, and ingestion.	
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.	

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity..... 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 .  
 Persistence and degradability ..... Not available.  
 Bioaccumulation Potential..... Not available.  
 Other Adverse Effects..... No data available.

**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).

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## 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.

Prepared by ..... Regulatory Affairs  
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