



Empack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571

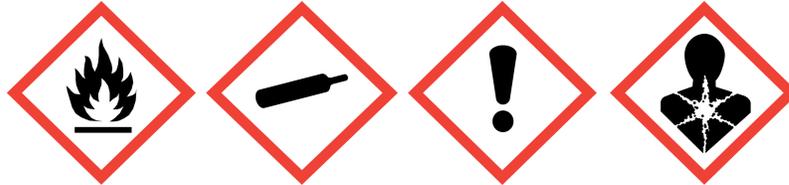
PRODUCT: Emzone Penetrating Lubricant - 400 g

CODE: P6-045002

SECTION 01: 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..... In Canada: Call CANUTEC (613) 996-6666 - In The United States: Call CHEMTREC (800) 424-9300.
 Recommended Use..... Frees rusted and corroded parts. Stops squeaks.
 Consumer Commodity..... Yes.

SECTION 02: HAZARD IDENTIFICATION



Label Elements:

Signal Word..... DANGER.
 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..... Not Classified.
 Hazard Statement..... H222:Extremely flammable aerosol (1). H229:Pressurized container: may burst if heated (1). H280:Contains gas under pressure; may explode if heated (L). H302:Harmful if swallowed .
 Precautionary Statements:
 Prevention..... P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211:Do not spray on an open flame or other ignition source. P251:Do not pierce or burn, even after use. P264:Wash hand thoroughly after handling. P270:Do not eat, drink, or smoke when using this product.
 Response..... P301+P310:IF SWALLOWED: Immediately call a POISON CENTER/doctor. P330:Rinse mouth. P331:Do NOT induce vomiting.
 Storage..... P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F.
 P403:Store in a well ventilated place . P405: Store locked up.
 Disposal..... P501:Dispose of contents/container in accordance with local, regional, national, and/or international regulations.
 Hazard(s) not otherwise classified (HNOC) None Known.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Lubricating Oils	64742-58-1	60-80
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.

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Additional Information..... Note to the doctor; treat symptomatically.

SECTION 05: FIRE-FIGHTING MEASURES

Flammability Class..... 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		PEL	OSHA PEL		REL	NIOSH
		STEL	STEL		STEL	STEL		
Lubricating Oils	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Propane	Not available	Not available	Not available	1,000 ppm	Not available	Not available	Not available	Not available
Isobutane	Not available	1,000 ppm	1,000 ppm	Not available				
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.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

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.
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
Latest Revision FEB 28/2019