

empackEmpack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571**PRODUCT: Emzone White Lithium Grease (G7) - 400g****CODE: 045007****Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... Emzone White Lithium Grease (G7) - 400g
 Product Item Numbers..... 045007
 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..... Multi-purpose lubricant and rust inhibitor .
 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..... Danger. Poison. Contents harmful . May catch fire. Container may explode if heated. Do not puncture. Do not burn. Do not get in eyes, skin or clothing. Do not breathe fumes. May cause skin and eye irritation. KEEP OUT OF REACH OF CHILDREN .

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..... Ingestion may cause headache, nausea, vomiting and weakness.
 Inhalation..... Inhalation of solvents or dust may cause irritation.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Petroleum Naphtha	64742-89-8	10-30
Petroleum Distillates (Naphtha Hydrotreated Heavy)	64742-48-9	5-10
Isobutane	75-28-5	7-13
Propane	74-98-6	1-5
2-Butoxyethanol	111-76-2	1-5
Hydrotreated Light Petroleum Distillate	64742-47-8	1-5
2-Propanol	67-63-0	1-5

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 symptoms persist, seek medical attention.
 Ingestion..... If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.
 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.

Section 05: FIRE FIGHTING MEASURES

Flammability Class..... Non-flammable (but contains flammable gas).
 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..... Put on appropriate personal protective equipment (see Section 08). Eliminate all sources of ignition and ventilate area. 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).

PRODUCT: Emzone White Lithium Grease (G7) - 400g

CODE: 045007

Section 07: HANDLING AND STORAGE

Handling..... Use with adequate ventilation. Keep container tightly closed. Do not store in temperatures above 120°F (50°C).

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye/Type..... Safety glasses with side-shields.
 Skin/Type..... 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/Type..... Typical use of this product under normal conditions does not require the use of respiratory protection. If airborne concentrations are above the applicable exposure limits (listed below), use NIOSH approved respiratory protection .
 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.

Exposure Limits

Ingredients	TWA	ACGIH TLV		OSHA PEL	NIOSH
		STEL	PEL		
Petroleum Naphtha	Not established	Not established	Not established	Not established	Not established
Petroleum Distillates (Naphtha Hydrotreated Heavy)	300 ppm	Not available	500 ppm (2,900 mg/m ³)	Not available	Not available
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
2-Butoxyethanol	20 ppm	Not available	50 ppm	Not available	Not available
Hydrotreated Light Petroleum Distillate	Not available	Not available	Not available	Not available	Not available
2-Propanol	Not available	Not available	Not available	Not available	Not available

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State..... Aerosol.
 Physical Appearance..... White.
 Odour..... Odourless.
 Odour Threshold (ppm)..... Not available.
 pH..... 9.0 - 11.0.
 Internal can pressure (psig)..... 60-90.
 Vapour Density (Air=1)..... Not available.
 Evaporation Rate (n-Butyl Acetate = 1)..... < 1 (n-Butyl Acetate = 1).
 Initial Boiling Point/Boiling Range (°C)..... Not available.
 VOC Content..... Not available.
 Specific Gravity (Liquid)..... 0.910-0.970.
 Specific Gravity (Aerosol)..... 0.910-0.970.
 Solubility in water..... Soluble in water.
 Aerosol Flame Projection..... No data.
 Auto Ignition Temperature (Propellant), °C... 460 °C/860 °F.
 Flashback..... No data .
 Flash Point (°C), Method..... Closed cup: -83.15 °C (-117.7 °F).
 Lower Flammable Limit (% Vol)..... 1.8.
 Upper Flammable Limit (% Vol)..... 9.5.

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.
 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..... Eye contact, Skin contact, Skin absorption, Inhalation, and Ingestion.
 Effects of Acute Exposure..... This product is harmful if inhaled or swallowed. Inhalation of vapours causes irritation to the nose, throat and respiratory tract, with coughing, wheezing, dizziness, headache, drowsiness, nausea and vomiting. Inhalation of higher concentrations may result in central nervous system depression and unconsciousness. High vapour concentrations reduce oxygen available for breathing, resulting in asphyxiation.

PRODUCT: Emzone White Lithium Grease (G7) - 400g**CODE: 045007****Section 11: TOXICOLOGICAL INFORMATION**

Effects of Chronic Exposure..... No known adverse effects .
 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 Naphtha	3400 ppm (4 hrs - rat)	5000 mg/kg (rat - oral); 3160 mg/kg (rabbit - dermal)
Petroleum Distillates (Naphtha Hydrotreated Heavy)	8500 mg/m3 (4 hrs - rat)	5000 ppm (oral, rat)
Isobutane	658 mg/L (4hrs, rat)	Not available
Propane	>800,000 ppm (15 min, Inh. rat)	Not available
2-Butoxyethanol	450 ppm (4hr, rat)	470 mg/kg (4hr, oral, rat)
Hydrotreated Light Petroleum Distillate	5.500 mg/L (rat- Inhl)	5.0 g/kg (rat - oral); 4.0 g/kg (rabbit - dermal)
2-Propanol	Not available	Not available

Section 12: ECOLOGICAL INFORMATION

Environmental..... Complete information is not yet available. Avoid release to the environment.

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 2.2, UN1950.
 DOT (US-Road)..... AEROSOLS, Class 2.2, UN1950, LTD QTY, Consumer Commodity ORM-D.
 IMDG (International- Marine)..... AEROSOLS, Class 2.2, UN1950.
 IATA (International- Air)..... AEROSOLS, Class 2.2, UN1950, LTD QTY .

Section 15: REGULATORY INFORMATION

Canada..... WHMIS Classification. A: Compressed gas. D2B: Material causing other toxic Materials. CPR (Canadian Controlled Product Regulations): All ingredients are CEPA approved for import to Canada. This product has been classified in accordance with the hazard criteria of the CPR and this SDS contains all information required by CPR. IDL (Canadian Ingredient Disclosure List): Component(s) of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List (section 03).
 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.
 Prepared by Regulatory Affairs
 Preparation Date..... Oct28/13
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