

empackEmpack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571**PRODUCT: MotoMaster Silicone Lube- 300g****CODE: 251504****SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... MotoMaster Silicone Lube- 300g
 Product Item Numbers..... 251504
 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.
 Hazard Ratings:
 HMIS..... Health: 1 Fire: 4 Reactivity: 0.
 NFPA Rating..... Health: 1 Fire: 4 Reactivity: 0.

SECTION 02: HAZARDS IDENTIFICATION

Emergency Overview..... High vapour concentrations may cause drowsiness. Flammable aerosol. Gas reduces oxygen available for breathing. Contents under pressure. Can decompose at high temperatures forming toxic gases.

Potential Health Effects:
 Eye Contact..... The liquid of this material can produce chilling sensation and discomfort. This product causes 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. Harmful if swallowed.
 Inhalation..... Dense vapour of this material may reduce the available oxygen for breathing. Prolonged exposure to an oxygen-deficient atmosphere may be fatal.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Heptane	142-82-5	60-100
Propane	74-98-6	10-30
Isobutane	75-28-5	10-30

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..... Treat frostbite by immediately immersing affected areas in warm water until the skin has warmed up and turned pink. Obtain Medical attention IMMEDIATELY.

Ingestion..... Not applicable - Product is a gas at ambient temp.

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..... Extremely Flammable.

Fire and Explosion Hazards..... May decompose on contact with flames or extremely hot metal surfaces to produce toxic and corrosive products. Thermal decomposition products are toxic and may include carbonyl halides, Hydrofluoric Acid and oxides of carbon.

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. Exhaust vapours outdoors. Do not smoke or operate internal combustion engines. Remove flames and heating elements.

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SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling..... Do not breathe vapour or mist. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Use with adequate ventilation. Do not enter confined spaces unless adequately ventilated.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Heptane	400 ppm	500 ppm	500 ppm	Not available	85 ppm for n-Heptane, 440 ppm for a ceiling conc.
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)

Eye/Face Protection..... Use chemical safety glasses.
 Skin Protection..... Use gloves and protective clothing against cold temperature made from viton, butyl rubber, PVC, neoprene or nitrile.
 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..... Clear liquid.
 Odour..... Hydrocarbons.
 Odour Threshold (ppm)..... Not available.
 pH..... Not applicable.
 Internal can pressure @21C (psig) 70-90 .
 Vapour Density (Air=1)..... > 1.
 Specific Gravity (Liquid)..... 0.731 @ 25 ° C.
 Specific Gravity (Aerosol)..... 0.650-0.700 @ 25°C.
 Evaporation Rate (n-Butyl Acetate = 1)..... > 1 .
 Boiling Point (propellant), ° C..... > 148.8 ° C.
 Auto Ignition Temperature (Propellant), °C... 450 ° C.
 Flash Point (°C), Method..... -104 ° C (-156°F).
 Explosion Limits (vol%)..... Lower: 2.1; Upper: 9.5.
 Solubility in water..... Nil.

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability..... Stable at normal temperatures and pressures.
 Incompatible Materials..... Strong oxidizing agents.
 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
Heptane	103,000 mg/L (Rat,4hr)	>15,000 mg/kg (rat - oral); >2,000 mg/kg (Dermal,Rabbit)
Propane	>800,000 ppm (Rat,15min)	Not available
Isobutane	658 mg/L (Rat,4hrs)	Not available

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

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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

Ground..... Consumer Commodity, ORM-D. AEROSOLS, Class 2.1, UN# 1950.
 Air..... Cannot be shipped by air.
 Sea..... Consumer Commodity, ORM-D. AEROSOLS, Class 2.1, UN# 1950.

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. HMIS: 1 Health, 4 Fire, 0 Reactivity.

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.

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