

Canadian Krown Dealers Inc.
35 Magnum Dr.
Schomberg, Ontario, L0G 1T0
Canada
(905)939-8750 / 1(800)267-5744

PRODUCT: Krown Heavy Duty Silicone - 400 g (14 oz.)

CODE: KR-001032

SECTION 01: IDENTIFICATION

Product Item Numbers..... KR-001032
 Product Identity..... Krown Heavy Duty Silicone - 400 g (14 oz.)
 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..... Lubricates windows, doors and prevents squeaks.
 Chemical Family..... Mixture.

SECTION 02: HAZARD IDENTIFICATION



Label Elements:
 Signal Word..... DANGER.
 Hazard Classification:
 Physical Hazards..... Flammable Aerosols - Category 1. Gases Under Pressure - Liquefied Gas .
 Health Hazards..... Skin Irritation - Category 2. Specific Target Organ Toxicity, Single Exposure - Category 3.
 Aspiration Hazard - Category 1.
 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). H315:Causes skin irritation. H336:May cause drowsiness or dizziness. H304:May be fatal if swallowed and enters airways.
 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. P280:Wear protective gloves. P261:Avoid breathing dust/fume/gas/mist/vapours/spray. P271:Use only outdoors or in a well-ventilated area.
 Response..... P301+P310:IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331:Do NOT induce vomiting. P302+P352:IF ON SKIN: Wash with plenty of water. P332+P313:If skin irritation occurs: Get medical advice/attention. P362+P364:Take off contaminated clothing and wash it before reuse. P321:For specific treatment see section 4 on this SDS. P304+P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312:Call a POISON CENTER if you feel unwell.
 Storage..... P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F. P403+P233:Store in a well-ventilated place. Keep container tightly closed. 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.
 Classified according to..... Canada's Hazardous Products Act/Hazardous Products Regulations (WHMIS 2015) and Occupational Safety and Health Administration (OSHA).

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Heptane (including isomers)	64742-49-0	15-40
Light Hydrotreated Distillates	64742-47-8	10-30
Silicone	63148-62-9	10-30
Isobutane	75-28-5	7-13

PRODUCT: Krown Heavy Duty Silicone - 400 g (14 oz.)

CODE: KR-001032

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

Propane

74-98-6

7-13

SECTION 04: FIRST-AID MEASURES

Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance.
Skin Contact.....	Immediately flush the contaminated skin with soap and water. If this chemical penetrates clothing, immediately remove the clothing and flush the skin with water. If irritation persists after washing, get medical attention .
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.
Ingestion.....	Rinse mouth thoroughly with water. Drink 1-2 glasses of water. If symptoms occur, consult a physician. Do not induce vomiting .
Most important symptoms/effects, acute .. and delayed	Immediate medical attention is required.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media.....	Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
Unsuitable Extinguishing Media.....	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from the Chemical	In case of fire, the following can be released: Carbon Oxides (CO, CO2), Other unidentified Organic Compounds.
Special Protective Equipment and .. Precautions for Firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from immediate hazard area if it is safe to do.
General Fire Hazards.....	Extremely flammable aerosol.

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).
Methods and Materials for Containment .. and Cleaning Up	Wash with plenty of water.
Environmental Precautions.....	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling.....	Avoid breathing vapours or mists. Never pierce, drill, grind, cut, saw or weld any empty container. Do not eat or drink while working. See Section 08 for Protective Personal Equipments.
Conditions for Safe Storage including any Incompatibilities	Keep container tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, and flame. Do not store in direct sunlight.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV		OSHA PEL	NIOSH
		PEL	STEL		
Heptane (including isomers)	1,600 mg/m3 (RCP-TWA)	Not available	Not available	Not available	Not available
Light Hydrotreated Distillates	Not established	Not established	Not established	Not established	Not established
Silicone	Not available	Not available	Not available	Not available	Not available
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available
Propane	Not available	Not available	1,000 ppm	Not available	Not available
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved. Ensure that eyewash stations and safety showers are available.				

PRODUCT: Krown Heavy Duty Silicone - 400 g (14 oz.)

CODE: KR-001032

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Individual Protection Measures:

Eye/Face Protection..... Chemical splash goggles are recommended.
 Skin Protection..... Use appropriate protective clothing to avoid skin contact if required.
 Respiratory Protection..... Not normally required if good ventilation is maintained. NIOSH approved respirator recommended if vapours or mists are generated .
 Thermal Hazards..... None Known.
 General Hygiene Considerations..... When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Form..... Aerosol.
 Physical Appearance..... Narrow powerful stream.
 Odor..... Hydrocarbons.
 Odor Threshold (ppm)..... N/A.
 Aerosol Vapour Pressure (psig, 21°C)..... 50-75.
 Boiling Point liquid (°C)..... 94-98.
 Melting/Freezing Point (°C)..... N/A.
 pH..... N/A.
 Solubility in water..... N/A.
 Specific Gravity (Aerosol)..... 0.692-0.716.
 Specific Gravity (Liquid)..... 0.730-0.760.
 Vapour Density (Air=1)..... > 1.
 Evaporation Rate (n-Butyl Acetate = 1)..... Not available.
 Flash Point (°C), Method..... -104 °C (-156°F). Estimated. (Propellant).
 Aerosol Flame Projection..... > 45 cm but < 100 cm.
 Flashback..... No data .
 Auto Ignition Temperature (°C)..... 460°C (860°F). (Isobutane).
 VOC Content..... <65%.
 Lower Flammable Limit (% Vol)..... 1.8. (Propellant).
 Upper Flammable Limit (% Vol)..... 9.5. (Propellant).
 Viscosity..... N/A.
 Coefficient of Water/Oil Distribution..... N/A.

SECTION 10: STABILITY AND REACTIVITY

Reactivity No hazardous reactions.
 Chemical Stability..... Stable under the recommended storage and handling conditions.
 Possibility of Hazardous Reactions..... It may catch fire on contact with oxidizing mineral acids.
 Conditions to Avoid..... Heat, flames, sparks.
 Incompatible Materials..... None known.
 Hazardous Decomposition Products..... In combustion emits toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Heptane (including isomers)	>23.3 mg/L (Rat - 4hrs)	>5,840 mg/kg (Oral - Rat); >2,920 mg/kg (Dermal - Rat)
Light Hydrotreated Distillates	Not available	Not available
Silicone	Not available	>15,400 mg/kg (Oral - Rat); >2,000 mg/kg (Dermal - Rabbit)
Isobutane	658 mg/L (Rat - 4hrs)	Not available
Propane	658 mg/L (Rat - 4hrs)	Not available

Information on Likely Routes of Exposure:

Routes of entry - Inhalation..... Yes.
 Routes of entry - Skin & Eye..... Yes.
 Routes of entry - Ingestion..... Yes.
 Routes of entry - Skin Absorption..... Yes.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Acute Toxicity..... Irritating to the eyes.
 Skin Corrosion/Irritation..... Causes skin irritation.
 Serious Eye Damage/Eye Irritation..... Causes eye irritation.
 Respiratory or Skin Sensitization..... Not expected to be a skin or respiratory sensitizers.

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Germ Cell Mutagenicity.....	No data available to indicate product or any components present at greater than 0.1% are mutagenic.
Carcinogenicity.....	None of the ingredients are listed as possibly carcinogenic to humans by IARC or ACGIH.
Reproductive Toxicity.....	Based on available data, the classification criteria are not met.
STOT - Single Exposure.....	Specific target organ toxicity single exposure Category 3. May cause drowsiness and dizziness.
STOT - Repeated Exposure.....	May cause damage to the liver and kidneys through prolonged or repeated exposure.
Aspiration Hazard.....	Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.
Chronic Effects.....	Chronic skin contact with low concentrations may cause dermatitis. Prolonged or repeated overexposure may cause liver and kidney effects.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	Harmful to aquatic organisms, may cause long-term adverse effects in the environment. This product contains the following substances which is hazardous for the environment: Heptanes including isomers (CAS#: 64742-49-0): Toxicity to fish: LL50 > 13.4 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: EL50 3 mg/L, 48 hrs; Toxicity to algae: EL50 10-30 mg/L, 72 hrs. Chronic Toxicity Daphnia magna: NOEC 0.17 mg/L 21 days.
Persistence and degradability	The product itself has not been tested.
Bioaccumulation Potential.....	The product itself has not been tested.
Mobility in Soil.....	The product itself has not been tested.
Other Adverse Effects.....	None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods.....	This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, provincial and federal regulations.
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SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road).....	UN1950, AEROSOLS, Class 2.1.
DOT (US-Road).....	UN1950, AEROSOLS, Class 2.1, LTD QTY, Consumer Commodity ORM-D.
IMDG (International- Marine).....	UN1950, AEROSOLS, Class 2.1.
IATA (International- Air).....	UN1950, AEROSOLS, Class 2.1, LTD QTY.

SECTION 15: REGULATORY INFORMATION

Canada Regulations:.....	WHMIS Classification. A: Compressed gas. B5: Flammable aerosol. D2A: Material causing very toxic effect. D2B: Material causing other toxic Materials.
Canadian Environmental Protection Act ... (CEPA)	All ingredients listed appear on the Domestic Substances List (DSL).
US Regulations.....	Environmental Protection Act: Constituents of this product are included on the TSCA inventory. This product is considered hazardous under the OSHA Hazard Communication Standard.

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	OCT 04/2018