SAFETY DATA SHEET

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

PRODUCT: Krown KE93 Brake and Parts Cleaner - 390g

CODE: KR-093400

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Item Numbers Product Identity Manufacturer	Krown KE93 Brake and Parts Cleaner - 390g Empack Spraytech Inc. 98 Walker Drive Brampton Ontario Canada L6T 4H6 905-792-6571 CHEM TREC: 800-424-9300.
Recommended Use	Solvent degreaser.

SECTION 02: HAZARDS IDENTIFICATION

Hazard Classification:	
Physical Hazards Health Hazards	Skin Irritation - Category 2. Eye Damage/Irritation - Category 2B. Specific Target Organ Toxicity, Single Exposure - Category 3. Specific Target Organ Toxicity, Repeated Exposure - Category 2. Aspiration Hazard - Category 1.
Environmental Hazards	Acute Aquatic Hazard - Category 1.
Signal Word Hazard Statement	DANGER. Extremely flammable aerosol. Pressurized container: may burst if heated. Causes eye irritation. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. May cause damage to the liver and kidneys through prolonged or repeated exposure. Very toxic 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. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid release to the environment. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. Wash hands thoroughly after handling. Wear protective gloves. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER if you feel unwell. IF ON SKIN: Wash with plenty of water. Take of contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention. IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce
Storage	vomiting. Get medical advice/attention if you feel unwell. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures
Disposal	exceeding 50°C /122°F. Store in a well-ventilated place.
Hazard(s) not otherwise classified (HNOC)	None Known.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS		
HAZARDOUS INGREDIENTS	CAS #	WT. %
Heptane	142-82-5	60-100
Carbon Dioxide	124-38-9	1-5

SECTION 04: FIRST AID MEASURES

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	
Skin Contact	product. Wash thoroughly with soap and lukewarm water.	



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SECTION 04: FIRST AID MEASURES

Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the
Ingestion	upper and lower eyelids. Get medical attention if irritation persists. Do not induce vomiting, get medical attention. Consult poison control center or physician
Most important symptoms/effects, acute and delayed	IMMEDIATELY. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may
	cause headache, fatigue, dizziness and nausea. May cause redness and pain. Provide general supportive measures and treat symptomatically. In case of shortness of
special treatment needed	breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 05: FIRE FIGHTING MEASURES

Suitable Extinguishing Media Unsuitable Extinguishing Media Specific Hazards Arising from the Chemical.	Do not use water jet as an extinguisher, as this will spread the fire.
Special Protective Equipment and Precautions for Firefighters	
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	
Methods and Materials for Containment and Cleaning Up	personal protective equipment (see Section 08). 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). Eliminate all ignition sources (no smoking,	
Environmental Precautions	flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. 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	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.	

Conditions for Safe Storage including any ... Incompatibilities

Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid contact with eyes, skin, and clothing. Avoid breathing vapour of this product. Avoid contact with skin and eyes. Avoid prolonged exposure. Use in well-ventilated areas. Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C (122°F). Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10).

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACG TWA	IH TLV STEL	OSH/ PEL	A PEL STEL	NIOSH REL
Heptane	400 ppm	500 ppm	500 ppm	Not available	85 ppm for n-Heptane, 440 ppm for a ceiling conc.
Carbon Dioxide	5000 ppm	30000 ppm	9000 mg/m3	Not available	STEL: 30000ppm; TWA: 5000ppm
Va Individual Protection Measures: Eye/Face Protection Do Skin Protection Ch ap Respiratory Protection Us		Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved. Do not get in eyes. Wear safety glasses with side-shields. Chemical resistant gloves are recommended. Avoid contact with the skin. Wear appropriate chemical resistant clothing. Use dust and mist respirator. None Known.			

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

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 Physical Appearance Odor Odor Threshold (ppm) Specific Gravity (Liquid) Specific Gravity (Aerosol) Aerosol Vapour Pressure (psig, 21°C) Vapour Density (Air=1) pH Boiling Point liquid (°C) Melting/Freezing Point (°C) Evaporation Rate (n-Butyl Acetate = 1) Flash point, Liquid (°C), Method VOC Content Solubility in water Aerosol Flame Projection Auto Ignition Temperature (°C) Lower Flammable Limit (% Vol) Upper Flammable Limit (% Vol) Coefficient of Water/Oil Distribution	Aerosol. Mist. Hydrocarbons. N/A. 0.680-0.700. 0.680 - 0.720. 83-130. > 1. N/A. 98 °C (209°F). N/A. N/A. N/A. -4 °C (25°F). Ta Closed Cup. 95-100 %wt. Nil. No data. 223. (Liquid). 1.1. (Heptane). 7.0. (Heptane). N/A.
Viscosity	N/A.

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability Possibility of Hazardous Reactions	Will not occur. Avoid sources of heat and flame, and electrostatic charge. Strong oxidizing agents. Strong acids.
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SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC5	50	LD50
Heptane	103,0	000 mg/L (Rat,4hr)	>15,000 mg/kg (rat - oral); >2,000 mg/kg (Dermal,Rabbit)
Carbon Dioxide	Not a	available	Not available
Information on Likely Routes of Exposure: Routes of entry - Inhalation Routes of entry - Skin & Eye Routes of entry - Ingestion Routes of entry - Skin Absorption Symptoms Related to the Physical, Chemical and Toxicological Characteristics Acute Toxicity Skin Corrosion/Irritation Serious Eye Damage/Eye Irritation Respiratory or Skin Sensitization Germ Cell Mutagenicity Carcinogenicity Reproductive Toxicity	vision. Defatting of the skin. tiredness, nausea and vom Toxic if inhaled. Causes mild skin irritation. I Causes serious eye irritatio May cause sensitization by Xylene: Not expected to be	Prolonged contact may be mor on. skin contact. mutagenic. ACGIH A4 Not Classified as a	nay be headache, dizziness,
STOT - Single Exposure	Specific target organ toxicit	ty single exposure Category 3.	May cause drowsiness and
STOT - Repeated Exposure Aspiration Hazard	No data available .		
Chronic Effects	Prolonged inhalation may b	be harmful.	

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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment. This product contains the following substance which may also be hazardous for the environment:. Heptane (CAS#:142-82-5): Toxicity to fish: LC50 1.284 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 0.1 mg/L, 96 hrs; Toxicity to algae: EL50 4.338 mg/L, 72 hrs.
Persistence and degradability Bioaccumulation Potential Mobility in Soil Other Adverse Effects	The product itself has not been tested. The product itself has not been tested. The product itself has not been tested.

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:
Canadian Environmental Protection Act (CEPA) Domestic Substances List (DSL) Non Domestic Substances List (NDSL) US Regulations

WHMIS Classification. A: Compressed gas. B5: Flammable Aerosol. D2B: Material causing other toxic Materials. All ingredients listed appear on the Domestic Substances List (DSL).

Environmental Protection Act: Constituents of this product are included on the TSCA inventory. OSHA (29CFR 1910.1200).

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 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.
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 Latest Revision	



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