MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION AND USE

Product Name	**WHITE GREASE**
Chemical Family	**Petroleum hydrocarbon**
Supplier	**DEK Canada Inc.** 1928 St. Regis Blvd Dorval, Qc H9P 1H6
Product Use	**Lubricant**

SECTION IA: FIRST AID MEASURES

Eye Contact	Flush eyes with plenty of clean running water for at least 15 minutes, lifting upper and lower lids, occasionally. If irritation persists, consult a physician
Skin Contact	Thoroughly wash the affected area with soap and water. If irritation persists, consult a physician. Remove contaminated clothing and was before reuse
Inhalation	Remove affected person to fresh air. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration. Keep person warm, quiet and get medical attention
Ingestion	DO NOT induce vomiting. Rinse out mouth with water. NEVER give an unconscious person anything to ingest. Guard against aspiration into the lungs. Aspiration of material into lungs due to vomiting may cause chemical pneumonitis which can be fatal. Keep person warm, quiet and get immediate medical attention

SECTION II: HAZARDOUS INGREDIENTS

Name	CAS #	%	Exposure limits LD/50 LC/50
Normal heptane	142-82-5	30 – 60	ORAL (LD50) mg/kg: Acute: 15000 (Rat)
Petroleum distillate	64741-65-7	5 – 10	ORAL (LD50) mg/kg: Acute: 8000 (Rat) VAPOR (LC50) ppm: Acute 5900 (Rat) (4 hours)
Liquefied petroleum gas	68476-85-7	10 – 30	N/A

SECTION III: PHYSICAL DATA

Physical state and appearance	Liquid (Aerosol concentrate), white
Odour	Petroleum
Specific gravity (Water = 1)	0.769
Odour threshold	49 ppm based on data for: Normal heptane
Vapour pressure (mm Hg)	Weighted average: 26.45 mm of Hg (@ 20°C)
Vapour density (Air = 1)	Weighted average: 3.01
Evaporation rate	4.5 based on data for: Normal heptane Weighted average: 3.13 (Butyl acetate)
Boiling point	92°C based on data for Normal Heptane Weighted average: 152.1°C
Ph	Not applicable
Solubility in water	Insoluble in water
Water/oil dist. Coeff	N / A
Distribution	
Volatility %	Approximately 55%
Melting Point	N / A
Molecular weight	N / A

SECTION IV: FIRE AND EXPLOSION DATA

Flammability	Flammable aerosol. Dangerous fire hazard when exposed to heat, open flames, sparks or ignition sources. Container explosion may occur under fire conditions or when heated
Auto-ignition temperature	215°C based on data for: Normal heptane
Fire degradation products	These products are carbon oxides (C0, C02), sulfur oxides (S02, S03…), smoke and other irritation gases
Flash point (^{o}C method)	The flashpoint of an aerosol by WHMIS definition is determined by its flame-extension of its flashback. The flame-extension of this product is between 15 cm and 45 cm. Canadian NFC, Level 3
Upper Flammable limit (% vol)	7%
Lower Flammable limit (% vol)	0.9%
Extinguishing media	Flammable aerosol, liquid is insoluble in water. Small fire: Use DRY chemicals, C02 or alcohol foam. Large fire: Use water spray or fog. Cool containing vessels with water spray in order to prevent pressure build-up, auto-ignition or explosion. Avoid spreading burning liquid with water used to cool containers. Self-contained respiratory protection should be provided for firefighters

Risks of explosion	Risks of explosion of the product in presence of mechanical impact: DO NOT subject aerosol cans to impact. Risks of explosion of the product in presence of static discharge: Aerosol spray may be sensitive to static discharge due to flammable concentrate and flammable propellant. Vapours of this product may form a flammable/explosive mixture with air in enclosed areas when vapours present are between the lower (0.9%) and upper (7%) flammable limits and come into contact with open flames, sparks or static discharge. DO NOT expose aerosol containers to open flames, heat or ignition sources

SECTION V: REACTIVITY DATA

Hazardous decomposition	N / A
Products of degradation	These products are carbon oxides (C0, C02), smoke, sulphur oxides (S02, S03…) and other irritating gases
Corrosivity	No specific information is available in our database regarding the corrosivity of this product in presence of various materials
Reactivity	Avoid contact with strong oxidizing agents. Keep away from heat, sparks, open flame, and all possible ignition sources

SECTION VI: TOXICOLOGICAL PROPERTIES

Route of entry	Ingestion. Inhalation> Skin contact. Eye contact
TLV	Petroleum hydrocarbon TWA: 5 (mg/m³) Normal heptane TWA: 400 CEIL: 500 (ppm) TWA: 1600 CEIL: 2000 (mg/m³) Petroleum distillate TWA: 300 (ppm) from ACGIH. Liquefied petroleum gas TWA: 1000 CEIL: 1250 (ppm) TWA: 1800 CEIL: 2250 (mg/m³)
Skin contact	May cause irritation, defatting, drying and cracking of skin. Prolonged and repeated contact may lead to dermatitis
Inhalation	Vapours may be irritating to nose, throat and respiratory tract. Excessive inhalation of vapours may cause Central Nervous System effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness
Ingestion	May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact
Eye contact	May cause irritation, redness and tearing
Cronic effects on humans	N / A
Carcinogenicity	The ingredients of this product have not been listed as carcinogens by the National Toxicology Program (NTP)
Teratogenicity	No information available and no adverse effects are anticipated
Mutagenicity	No information available and no adverse effects are anticipated
Reproductive effects	No information available and no adverse effects are anticipated
Synergistic materials	N / A

SECTION VII: PREVENTIVE AND CORRECTIVE MEASURES

Ventilation requirements	USE UNDER WELL-VENTILATED CONDITIONS ONLY
Waste disposal	Recycle to process, if possible. Consult your local or regional authorities. Do not dispose in sewers. When container is empty, press button to release all pressure, then dispose of in garbage can
Precautions	Contents under pressure. Container may explode if heated. Do not use in the presence of open flame, spark or ignition sources. Keep away from sources of heat. Do not breathe vapour or spray mist. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles, such as strong oxidizing agents. After handling, always wash hands thoroughly with soap and water. KEEP OUT OF REACH OF CHILDREN
Storage requirements	Keep in a cool, well-ventilated place. Keep away from heat and open flame. Keep away from sources of ignition. Do not puncture, incinerate or store the container at temperatures above 50°C or in direct sunlight
Leak and spill procedures	Provide adequate ventilation and eliminate all sources of ignition. Keep away from heat. Absorb with an inert material and put the spilled material in an appropriate waste disposal container

SECTION VII: CLASSIFICATION

T.D.G. road / rail	CONSUMER COMMODITY
CALL YOUR LOCAL ANTI-POISON CENTRE	

SECTION IX: REGULATORY INFORMATION

CPR compliance	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR
WHMIS classification	Class A, B-5, D-2B

SECTION X: PERSONAL PROTECTIVE EQUIPMENT

Protective equipment	
Gloves	It is recommended to wear gloves
Footwear	Not required
Eyes	It is recommended to wear safety glasses
Respiratory	Be sure to use a MSHA/NIOSH approved respirator or equivalent when ventilation is inadequate
Clothing	Not required.

SECTION XI: PREPARATION DATA OF MSDS

Prepared by	DEK Canada Inc.
Verified by	DEK Canada Inc.
Date	April 19, 2009

CAUTION: The information contained herein is accurate to the best of our knowledge. However, the above named supplier does not assume any liability whatsoever for the accuracy or completeness of the information. Final determination of suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, all materials may present unknown hazards and should be used with caution.