



MATERIAL SAFETY DATA SHEET

LUBRIMATIC WHITE LITHIUM GREASE - AEROSOL (11363)

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME	LUBRIMATIC WHITE LITHIUM GREASE - AEROSOL (11363)
Product number	8030100000
MANUFACTURER	Chemtool Incorporated 801 West Rockton Road Rockton, IL 61072 U.S.A. Tel: +01 (815) 957-4140 Fax: +01 (815) 624-0292
SUPPLIER	Plews/Edelmann 1550 Franklin Grove Road Dixon, IL 61021 U.S.A. Tel: +01(815) 288 - 3344
EMERGENCY TELEPHONE	INFOTRAC U.S. and Canada - (800) 535-5053 Outside the U.S. and Canada - +01-352-323-3500
Date of last issue	2010-06-02

2. COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
*HEPTANE	142-82-5	35-40 %
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)	64742-52-5	15-25 %
DISTILLATES, PETROLEUM, SOLVENT-DEWAXED HEAVY PARAFFINIC	64742-65-0	15-25 %
*PROPANE	74-98-6	10-20 %
RESIDUAL OILS, PETROLEUM, HIGHLY REFINED, 150 BRIGHT STOCK**(7)	Mixture	1-15 %

* This chemical(s) is hazardous according to OSHA/WHMIS criteria

COMPOSITION COMMENTS

Refer to section eight (8) for exposure limits on ingredients. Chemical ingredients not regulated by OSHA or SARA are treated confidentially.
 **(7) The petroleum residual oils for this product can be a mixture of any of the following highly refined petroleum streams:
 CAS NO 674741-95-3, CAS NO 64742-01-4, CAS NO 64742-57-0, CAS NO 64742-62-7, CAS NO 72623-83-7 and CAS NO 72623-87-1. Carcinogenicity: The petroleum base oils contained in this product have been highly refined by a variety of processes including solvent extraction, solvent dewaxing and/or hydrotreating to remove

aromatics and improve performance characteristics. None of the oils used are listed as a carcinogen by NTP, IARC, or OSHA.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Extremely flammable liquid or liquefied gas.

HEALTH HAZARDS, GENERAL	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
SENSITIZATION	No known information.
CARCINOGENICITY	OSHA: Not regulated. NTP: Not listed.
TERATOGENICITY	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.
HEALTH WARNINGS	INHALATION. The solvent vapors can be harmful and cause headache, nausea and intoxication. SKIN CONTACT. Irritating. Repeated or prolonged contact can result in drying of the skin. EYE CONTACT. Irritating. INGESTION. Dangerous by ingestion.
ROUTE OF ENTRY	Inhalation. Skin and/or eye contact. Ingestion. Skin absorption.

4. FIRST AID MEASURES

INHALATION	Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Get medical attention.
EYES	Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
SKIN	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
INGESTION	DO NOT INDUCE VOMITING! Get medical attention immediately!

5. FIRE FIGHTING MEASURES

FLASH POINT (°C)	-104 (-155 F) Estimated.
FLAMMABILITY LIMIT - LOWER(%)	1.2
FLAMMABILITY LIMIT - UPPER(%)	9.5
FLAMMABILITY CLASS	NFPA 30B: Level 3 Aerosol
EXTINGUISHING MEDIA	Use: Foam. Carbon dioxide (CO ₂). Dry chemicals, sand, dolomite etc.
SPECIAL FIRE FIGHTING PROCEDURES	Use water to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control. Use special protective clothing. Regular protection may not be safe. Prevent inhalation of fumes and gases.
UNUSUAL FIRE & EXPLOSION HAZARDS	Volume and pressure increases strongly when heated. Risk of container explosion in fire.

HAZARDOUS COMBUSTION PRODUCTS Acrid smoke/fumes. Oxides of: Carbon.

PROTECTIVE MEASURES IN CASE OF FIRE Self-contained breathing equipment and chemical resistant clothing recommended.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS Minimize skin contact. Avoid breathing vapors. Wear an appropriate respirator if exposure exceeds recommended guidelines. Remove sources of ignition.

PRECAUTIONS TO PROTECT THE ENVIRONMENT Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations.

SPILL CLEAN-UP PROCEDURES Carefully collect spilled material in closed containers and leave for disposal according to local regulations. Provide good ventilation. Use appropriate protective clothing. Rinse area with water. Do not let washing down water contaminate ponds or waterways.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Containers to be kept tightly closed. Eye wash and emergency shower must be available at the work place.

STORAGE PRECAUTIONS Keep away from heat, sparks and open flame. Store at temperature below 122°F. Store separated from: Acids. Oxidizing materials.

STORAGE CRITERIA Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

COMPONENT	STD	TWA	STEL	TWA	STEL
HEPTANE	OSHA	500 ppm	N/E	2000 mg/m3	N/E
	ACGIH	400 ppm	500 ppm	1640 mg/m3	2050 mg/m3
	NIOSH	85 ppm	440 ppm (ceiling)		
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)	OSHA	None	None	5 mg/m3 (oil mist)	None
	ACGIH	None	None	5 mg/m3 (oil mist)	10 mg/m3 (oil mist)
DISTILLATES, PETROLEUM, SOLVENT-DEWAXED HEAVY PARAFFINIC	OSHA			5 mg/m3 (oil mist)	
	ACGIH			5 mg/m3 (oil mist)	10 mg/m3 (oil mist)
PROPANE	OSHA	1000 ppm			
	ACGIH	1000 ppm	(C1-C4 Alkanes)		
RESIDUAL OILS, PETROLEUM, HIGHLY REFINED, 150 BRIGHT STOCK**(7)	OSHA	None	None	5 mg/m3 (oil mist)	None
	ACGIH	None	None	5 mg/m3 (oil mist)	10 mg/m3 (oil mist)

PROTECTIVE EQUIPMENT



ENGINEERING CONTROLS	Use engineering controls to reduce air contamination to permissible exposure level.
VENTILATION	No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.
RESPIRATORS	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists. In areas with inadequate ventilation, use approved chemical or mechanical filters designed to remove a combination of particles and vapor.
PROTECTIVE GLOVES	Chemical resistant gloves required for prolonged or repeated contact. Use protective gloves made of: Neoprene, Nitrile, Polyethylene or PVC. or Latex.
EYE PROTECTION	Wear splash-proof eye goggles to prevent any possibility of eye contact.
PROTECTIVE CLOTHING	Wear appropriate clothing to prevent repeated or prolonged skin contact.
HYGIENIC WORK PRACTICES	Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE	Aerosol.		
COLOR	White.		
SOLUBILITY DESCRIPTION	Insoluble in water.		
DENSITY	0.75 - 0.80	Temperature (°C)	15.6 (60°F)
VAPOR DENSITY (air=1)	>1		
VAPOR PRESSURE	40 psig	Temperature (°C)	21 (70 F)
EVAPORATION RATE	<1	Reference	EtEt= 1
VOLATILE ORGANIC CONTENT	55 wt%		

10. STABILITY AND REACTIVITY

STABILITY	Normally stable.
CONDITIONS TO AVOID	Avoid contact with acids and oxidizing substances. Avoid heat, flames and other sources of ignition.
HAZARDOUS POLYMERIZATION	Will not polymerize.
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of: Carbon.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION No experimental toxicological data on the preparation as such is available.

COMPONENT	HEPTANE
TOXICOLOGICAL DATA	Irritating effects. WHMIS (Canada) Skin. D2B - R38
TOXIC DOSE - LD 50	222 mg/kg (ivn-mus)
TOXIC CONC. - LC 50	15900 ppm/-- (inh-mus)
CARCINOGENICITY	OSHA: Not regulated. NTP: Not listed. IARC: Not listed as a Group 1, 2A, or 2B agent. EPA-D designation: Not classifiable as to human carcinogenicity.
COMPONENT	DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)
TOXICOLOGICAL DATA	Carcinogenicity. IP 346 <3% WHMIS (Canada) Not a controlled product. Irritating effects. Skin. Not a skin Irritant. Eye. May cause eye irritation.
TOXIC DOSE - LD 50	> 5,000 mg/kg (oral rat)
TOXIC DOSE - LD 50 SKIN	> 2,000 mg/kg (skn rbt)
TOXIC CONC. - LC 50	No Information Available (NIA).
CARCINOGENICITY	The petroleum base oil contained in this product has been highly refined to remove aromatics and improve performance characteristics. The base oil is not listed as a carcinogen by NTP, IARC, or OSHA.
COMPONENT	PROPANE
TOXIC CONC. - LC 50	No Information Available (NIA).

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION No data on possible environmental effects have been found.

BIOACCUMULATION May bioaccumulate according to Environment Canada.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS Dispose of in accordance with Local Authority requirements. Confirm disposal procedures with environmental engineer and local regulations.

14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME CONSUMER COMMODITY

DOT HAZARD CLASS ORM-D (Other Regulated Material D).

U.S. DOT HAZARD LABEL	No DOT label requirement
TDGR SHIPPING NAME	Consumer Commodity - bien de consommation
TDGR CLASS	N/A.
SEA TRANSPORT NOTES	Aerosols (Fl. Pt. = -104 C/-156 F)
AIR TRANSPORT NOTES	Aerosols, flammable

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

COMPONENT	SARA 302	CERCLA	SARA 313
PROPANE	No	No	No
RESIDUAL OILS, PETROLEUM, HIGHLY REFINED, 150 BRIGHT STOCK**(7)	No	No	No
DISTILLATES, PETROLEUM, SOLVENT-DEWAXED HEAVY PARAFFINIC	No	No	No
HEPTANE	No	No	No
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)	No	No	No

CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)	No
PROPANE	10 000 lbs
RESIDUAL OILS, PETROLEUM, HIGHLY REFINED, 150 BRIGHT STOCK**(7)	No

SARA HAZARD CATEGORIES Acute Chronic Fire

US STATE REGULATIONS

COMPONENT	CA	MA	FL	MN	NJ	PA	RI
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)	No	No	No	No	Yes	Yes	No
PROPANE	No	No	Yes	No	Yes	Yes	No
RESIDUAL OILS, PETROLEUM, HIGHLY REFINED, 150 BRIGHT STOCK**(7)	No	No	No	No	No	No	No

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

LABEL(S) FOR SUPPLY



CONTROLLED PRODUCT CLASSIFICATION B5 - Flammable Aerosols
D2B - Irritating and/or Chronically Toxic Materials

Risk phrases R-12 Extremely flammable.
R-38 Irritating to skin.
R-67 Vapours may cause drowsiness and dizziness.

GLOBAL INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	PHLP	CHN
RESIDUAL OILS, PETROLEUM, HIGHLY REFINED, 150 BRIGHT STOCK**(7)	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
HEPTANE	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
DISTILLATES, PETROLEUM, HYDROTREATED	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)								
DISTILLATES, PETROLEUM, SOLVENT-DEWAXED	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
HEAVY PARAFFINIC								
PROPANE	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes

COMPONENT HEPTANE **TSCA 12(b) Export Notification**
Yes

CANADA CEPA: All components of this product comply with new substance notification requirements under the Canadian Environmental Protection Act (CEPA).

TSCA 12(b) NOTICE:

This product contains one or more components that require reporting under TSCA Section 12(b) when exported.

This product may be subject to US EPA requirements for annual or one-time export notification per country.

Heptane, CAS# 142-82-5 (TSCA Section 4)

16. OTHER INFORMATION**NFPA-HMIS HAZARD RATING**

HEALTH Irritation, minor residual injury (1) - HMIS/NFPA

FLAMMABILITY Extremely flammable (4) - HMIS/NFPA

REACTIVITY Normally Stable (0) - HMIS/NFPA

PERSONAL PROTECTION INDEX B - Safety Eyewear and Gloves

PREPARED BY Regulatory Department, Chemtool, Incorporated

Replacement of MSDS generated 2007-01-26

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DISCLAIMER While the information and recommendations set forth herein are believed to be accurate as of the date thereof, the company makes no warranty with respect thereto and disclaims all liability from reliance therein.

* Information revised since previous MSDS version

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