



# MATERIAL SAFETY DATA SHEET

## LUBRIMATIC WHITE LITHIUM GREASE - AEROSOL (11363)

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>TRADE NAME</b>	LUBRIMATIC WHITE LITHIUM GREASE - AEROSOL (11363)
<b>PART No.</b>	803010
<b>SUPPLIER</b>	Chemtool Incorporated P.O. Box 538 8200 Ridgefield Road Crystal Lake, IL 60039-0538 USA Tel: (815) 459-1250 Fax: (815) 459-1955
<b>EMERGENCY TELEPHONE</b>	Infotrac U.S. and Canada - (800) 535-5053 Outside the U.S. and Canada - +01-352-323-3500
<b>Date of last issue</b>	2007-01-26

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
*HEPTANE	142-82-5	35-40 %
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC	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/WHIMIS criteria

#### COMPOSITION COMMENTS

Refer to section eight 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 64742-01-4, CAS NO 64742-57-0, CAS NO 64742-62-7, CAS NO 64742-65-0 and CAS NO 72623-83-7. 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

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#### EMERGENCY OVERVIEW

	Extremely flammable liquid or liquefied gas.
<b>HEALTH HAZARDS, GENERAL</b>	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
<b>SENSITIZATION</b>	No known information.
<b>CARCINOGENICITY</b>	OSHA: Not regulated. NTP: Not listed.
<b>TERATOGENICITY</b>	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.
<b>HEALTH WARNINGS</b>	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.
<b>ROUTE OF ENTRY</b>	Inhalation. Skin and/or eye contact. Ingestion. Skin absorption.

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### 4. FIRST AID MEASURES

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<b>INHALATION</b>	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.
<b>EYES</b>	Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
<b>SKIN</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>INGESTION</b>	DO NOT INDUCE VOMITING! Get medical attention immediately!

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### 5. FIRE FIGHTING MEASURES

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<b>FLASH POINT (°C)</b>	-104 (-155 F) Estimated.
<b>FLAMMABILITY LIMIT - LOWER(%)</b>	1.2
<b>FLAMMABILITY LIMIT - UPPER(%)</b>	9.5
<b>FLAMMABILITY CLASS</b>	NFPA 30B: Level 3 Aerosol
<b>EXTINGUISHING MEDIA</b>	Use: Foam. Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc.
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	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.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS</b>	Volume and pressure increases strongly when heated. Risk of container explosion in fire.

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**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 (ceil)		
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC	OSHA			5 mg/m3 (oil mist)	
	ACGIH			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			5 mg/m3 (oil mist)	
	ACGIH			5 mg/m3 (oil mist)	10 mg/m3 (oil mist)

**PROTECTIVE EQUIPMENT**

<b>ENGINEERING CONTROLS</b>	Use engineering controls to reduce air contamination to permissible exposure level.
<b>VENTILATION</b>	No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.
<b>RESPIRATORS</b>	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.
<b>PROTECTIVE GLOVES</b>	Chemical resistant gloves required for prolonged or repeated contact. Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC. or latex.
<b>EYE PROTECTION</b>	Wear splash-proof eye goggles to prevent any possibility of eye contact.
<b>PROTECTIVE CLOTHING</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>HYGIENIC WORK PRACTICES</b>	Wash at the end of each work shift and before eating, smoking and using the toilet.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

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**10. STABILITY AND REACTIVITY**

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

## 11. TOXICOLOGICAL INFORMATION

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

<b>COMPONENT</b>	<b>HEPTANE</b>
<b>TOXICOLOGICAL DATA</b>	Irritating effects. WHMIS (Canada) Skin. D2B - R38
<b>TOXIC DOSE - LD 50</b>	222 mg/kg (ivn-mus)
<b>TOXIC CONC. - LC 50</b>	15900 ppm/-- (inh-mus)
<b>CARCINOGENICITY</b>	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.
<b>COMPONENT</b>	<b>DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC</b>
<b>TOXICOLOGICAL DATA</b>	Carcinogenicity. IP 346 <3%
<b>TOXIC DOSE - LD 50</b>	> 5000 mg/kg (oral rat)
<b>TOXIC DOSE - LD 50 SKIN</b>	> 2000 mg/kg (skn rbt)
<b>TOXIC CONC. - LC 50</b>	No Information Available (NIA).
<b>CARCINOGENICITY</b>	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.
<b>COMPONENT</b>	<b>PROPANE</b>
<b>TOXIC DOSE - LD 50</b>	1000 mg/kg (oral rat)
<b>TOXIC DOSE - LD 50 SKIN</b>	1800 mg/kg (skn rbt)
<b>TOXIC CONC. - LC 50</b>	No Information Available (NIA).

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## 12. ECOLOGICAL INFORMATION

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

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## 13. DISPOSAL CONSIDERATIONS

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

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## 14. TRANSPORT INFORMATION

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<b>DOT PROPER SHIPPING NAME</b>	CONSUMER COMMODITY
<b>DOT HAZARD CLASS</b>	ORM-D (Other Regulated Material D).
<b>U.S. DOT HAZARD LABEL</b>	No DOT label requirement
<b>TDGR SHIPPING NAME</b>	Consumer Commodity - bien de consommation

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<b>TDGR CLASS</b>	N/A.
<b>SEA TRANSPORT NOTES</b>	Aerosols (Fl. Pt. = -104 C/-156 F)
<b>AIR TRANSPORT NOTES</b>	Aerosols, flammable

## 15. REGULATORY INFORMATION

### US FEDERAL REGULATIONS

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

### CLEAN AIR ACT

<b>COMPONENT</b>	<b>CAA Accidental Release Prevention</b>
PROPANE	10 000 lbs

**SARA HAZARD CATEGORIES** Acute Chronic Fire

### US STATE REGULATIONS

COMPONENT	CA	MA	FL	MN	NJ	PA	RI
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC					Yes	Yes	

### 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
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PROPANE	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
RESIDUAL OILS, PETROLEUM, HIGHLY REFINED, 150 BRIGHT STOCK**(7)	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
DISTILLATES, PETROLEUM, SOLVENT-DEWAXED HEAVY PARAFFINIC	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
HEPTANE	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC	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. Contact the Regulatory Compliance Manager for more information.  
Heptane, CAS# 142-82-5 (TSCA Section 4)

## 16. OTHER INFORMATION

### NFPA-HMIS HAZARD RATING

<b>HEALTH</b>	Irritation, minor residual injury (1) - HMIS/NFPA
<b>FLAMMABILITY</b>	Extremely flammable (4) - HMIS/NFPA
<b>REACTIVITY</b>	Normally Stable (0) - HMIS/NFPA
<b>PERSONAL PROTECTION INDEX</b>	B - Safety Eyewear and Gloves
<b>PREPARED BY</b>	James W. Hermann
<b>Replacement of MSDS generated</b>	2005-04-12
<b>DATE</b>	2007-01-26
<b>DISCLAIMER</b>	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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