



MATERIAL SAFETY DATA SHEET

LUBE-A-ROPE (AEROSOL)

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME LUBE-A-ROPE (AEROSOL)

PART No. 010107

PRODUCT USE Aerosol Lubricating Grease

MANUFACTURER Chemtool Incorporated
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Date of last issue 2009-10-27

2. COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
DISTILLATES, PETROLEUM, HYDROTREATED LIGHT NAPHTHENIC	64742-53-6	70-90 %
*STODDARD SOLVENT	8052-41-3	10-30 %
*PROPANE	74-98-6	5-10 %

* 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, SARA, state or federal agencies are treated confidentially.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Extremely flammable liquid or liquefied gas. Harmful, danger of serious damage to health by prolonged exposure through inhalation. Irritating to eyes, respiratory system and skin.

SENSITIZATION

No known information.

CARCINOGENICITY

IARC: Not listed as a Group 1, 2A, or 2B agent. OSHA: Not regulated. NTP: Not listed.

TERATOGENICITY

No known information.

HEALTH WARNINGS

INHALATION. The solvent vapors can be harmful and cause headache, nausea and intoxication. SKIN CONTACT. Slightly irritating. Repeated or prolonged contact can result in drying of the skin. EYE CONTACT. Irritating. May cause slight eye irritation. May cause very slight transient (temporary) corneal injury. INGESTION. Can cause stomach ache and vomiting. Main hazard, if ingested, is aspiration into the lungs and subsequent pneumonitis. Since the quantity in an aerosol can is limited, and the product is hard to ingest, the toxicity risk is deemed to be small.

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 (156 F) Estimated.

FLAMMABILITY LIMIT - LOWER(%) 0.7

FLAMMABILITY LIMIT - UPPER(%) 9.5

EXTINGUISHING MEDIA Use: Foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES Use water spray to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures. Vapors from this product may be moved by air currents and ignited by ignition sources.

UNUSUAL FIRE & EXPLOSION HAZARDS Pressure will increase in over heated, closed containers.

HAZARDOUS COMBUSTION PRODUCTS Acrid smoke/fumes. Hydrocarbons. 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	Contain spill. Neutralize and absorb small amounts. Collect and return large amounts to shipping container. Rinse spill area with water.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS	Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Do not store or mix with strong oxidizers. Do not reuse container. Keep lid closed when not in use. Use only as directed. Intentional misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal. Eye wash station should be available at the work place.
STORAGE PRECAUTIONS	Store separate from strong acids and oxidizers. Keep away from heat, sparks and open flame.
STORAGE CRITERIA	Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

COMPONENT	STD	TWA	STEL	TWA	STEL
DISTILLATES, PETROLEUM, HYDROTREATED LIGHT NAPHTHENIC	OSHA			5 mg/m3 (oil mist)	
	ACGIH			5 mg/m3 (oil mist)	10 mg/m3 (oil mist)
STODDARD SOLVENT	OSHA	500 ppm		2900 mg/m3	
	ACGIH	100 ppm		525 mg/m3	
	NIOSH	350 ppm	1800 mg/m3		
PROPANE	OSHA	1000 ppm			
	ACGIH	1000 ppm	(C1-C4 Alkanes)		

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 recommended to prevent prolonged or repeated contact.
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.		
SOLUBILITY DESCRIPTION	Insoluble in water.		
DENSITY	0.81	Temperature (°C)	15.6 (60°F)
VAPOR DENSITY (air=1)	> 1		
EVAPORATION RATE	< 1	Reference	EtEt=1

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 occur.
POLYMERIZATION DESCRIPTION	Not applicable
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of: Carbon.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION	No experimental toxicological data on the preparation as such is available.
COMPONENT	DISTILLATES, PETROLEUM, HYDROTREATED LIGHT NAPHTHENIC
TOXIC DOSE - LD 50	> 5000 mg/kg (oral rat)
TOXIC DOSE - LD 50 SKIN	> 3000 mg/kg (skn rbt)
TOXIC CONC. - LC 50	N/A.
CARCINOGENICITY	Base oils in this product contain < 3% DMSO Extractable total polycyclic aromatic compound (PAC) per IP 346.
COMPONENT	STODDARD SOLVENT
TOXICOLOGICAL DATA	Irritating effects. WHMIS (Canada) Skin. D2B - R38

TOXIC DOSE - LD 50 > 2000 mg/kg (oral rat)
TOXIC DOSE - LD 50 SKIN > 3160 mg/kg (skn rbt)
TOXIC CONC. - LC 50 > 3.6 mg/l (inh-rat)

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION There is no ecological data on the product itself.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME Consumer commodity
DOT HAZARD CLASS ORM-D (Other Regulated Material D).
REPORTABLE QUANTITY (RQ) No
U.S. DOT HAZARD LABEL No DOT label requirement

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

COMPONENT	SARA 302	CERCLA	SARA 313
DISTILLATES, PETROLEUM, HYDROTREATED LIGHT NAPHTHENIC	No	No	No
STODDARD SOLVENT	No	No	No
PROPANE	No	No	No

CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
PROPANE	10 000 lbs

SARA HAZARD CATEGORIES Acute Chronic Fire

US STATE REGULATIONS

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

STATE REGULATORY STATUS

CALIFORNIA PROPOSITION 65: This product *****DOES NOT***** contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required.

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 - Chronic Toxic Material

Risk phrases

R-12 Extremely flammable.
R-36/37/38 Irritating to eyes, respiratory system and skin.
R-48/20 Harmful, danger of serious damage to health by prolonged exposure through inhalation.

GLOBAL INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	PHLP	CHN
PROPANE	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
DISTILLATES, PETROLEUM, HYDROTREATED	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
LIGHT NAPHTHENIC								
STODDARD SOLVENT	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes

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

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
REVISION COMMENTS	Section 15: WHMIS
PREPARED BY	Regulatory Department Staff
Replacement of MSDS generated	2006-10-29

DATE 2009-10-27

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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