LUBE-A-BOOM(R*)

12819 - LUBE-A-BOOM

MATERIAL SAFETY DATA SHEET

LUBE-A-BOOM

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: LUBE-A-BOOM

PART NO.:
US CARTRIDGE-010102, PAIL-010109, PAIL-010103, KEG-010104, DRUM-010101

PRODUCT USE: LUBRICATING GREASE

MANUFACTURER:
CHEMTOOL INCORPORATED
P.O. BOX 538
8200 RIDGEFIELD ROAD
CRYSTAL LAKE, IL 60039-0538
USA
TEL: (815) 459-1250
FAX: (815) 459-1955

SUPPLIER:
LAB, LLC
PO BOX 20798
INDIANAPOLIS, IN 46220

EMAIL: SALES@LUBEABOOM.COM

FAX: (317) 577-0637

EMERGENCY TELEPHONE:
INFOTRAC:
U.S. AND CANADA - (800) 535-5053
OUTSIDE THE U.S. AND CANADA - +01-352-323-3500

DATE OF LAST ISSUE: 2006-07-19

2. COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NO.	WEIGHT
1-DECENE, HOMOPOLYMER, HYDROGENATED (COMMON NAME: MEDIUM POLYALPHAOLEFINS)	68037-01-4	30-50%

OVERBASED CALCIUM SULFONATE COMPLEX THICKENER	PROPRIETARY	20-40%
DISTILLATES, PETROLEUM, HEAVY (CAS# 64741-88-4, 64741-96-4, 64742-52-5, 64742-54-7)	MIXTURE	15-30%
*MOLYBDENUM SULFIDE (MoS2)	1317-33-5	1-5%
ETHENE, TETRAFLUORO-, HOMOPOLYMER (COMMON NAME: POLYTETRAFLUOROETHYLENE)	9002-84-0	1-5%
*BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT	26264-06-2	1-3%

* 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:
NOT REGARDED AS A HEALTH HAZARD UNDER CURRENT LEGISLATION. EXPOSURE TO VAPORS GENERATED AT HIGH TEMPERATURES MAY CAUSE RESPIRATORY IRRITATION.

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.:
HEATING CAN GENERATE VAPORS THAT MAY CAUSE RESPIRATORY IRRITATION, NAUSEA AND HEADACHES. INHALATION HAZARD AT ROOM TEMPERATURE IS UNLIKELY DUE TO THE LOW VOLATILITY OF THIS PRODUCT.

SKIN CONTACT.:
REPEATED OR PROLONGED CONTACT CAN RESULT IN DRYING OF THE SKIN.

INGESTION.:
CAN CAUSE DISCOMFORT. MAIN HAZARD, IF INGESTED, IS ASPIRATION INTO THE LUNGS AND SUBSEQUENT PNEUMONITIS.

EYE CONTACT.: SLIGHTLY IRRITATING.

ROUTE OF ENTRY: INHALATION. SKIN AND/OR EYE CONTACT. INGESTION.

4. FIRST AID MEASURES

INHALATION:
VAPOR INHALATION UNDER AMBIENT CONDITIONS IS NORMALLY NOT A PROBLEM. IF OVERCOME BY VAPOR OF HOT PRODUCT, IMMEDIATELY REMOVE FROM SOURCE OF EXPOSURE. MOVE THE EXPOSED PERSON TO FRESH AIR AT ONCE. FOR BREATHING DIFFICULTIES OXYGEN MAY BE NECESSARY. GET MEDICAL ATTENTION IF ANY DISCOMFORT CONTINUES.

EYES: RINSE WITH WATER. CONTACT PHYSICIAN IF 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 (DEG. C): 235 (455 DEG. F) Cd OC (CLEVELAND OPEN CUP).

FLAMMABILITY LIMIT - LOWER(%): N/D
FLAMMABILITY LIMIT - UPPER(%): N/D

EXTINGUISHING MEDIA:
USE: FOAM. CARBON DIOXIDE (CO_2). 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. CAUTION SHOULD BE EXERCISED WHEN USING WATER OR FOAM AS FROTHING MAY OCCUR.

UNUSUAL FIRE & EXPLOSION HAZARDS:
PRESSURE WILL INCREASE IN OVER HEATED, CLOSED CONTAINERS.

HAZARDOUS COMBUSTION PRODUCTS: ACRID SMOKE/FUMES. HYDROGEN FLUORIDE (HF). OXIDES OF: CARBON. SULFUR.

PROTECTIVE MEASURES IN CASE OF FIRE:
SELF-CONTAINED BREATHING EQUIPMENT AND CHEMICAL RESISTANT CLOTHING RECOMMENDED.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: MINIMIZE SKIN CONTACT.

PRECAUTIONS TO PROTECT THE ENVIRONMENT:
KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES BY DIKING OR IMPOUNDING. ADVICE 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. ABSORB SMALL AMOUNTS. COLLECT AND RETURN LARGE AMOUNTS TO SHIPPING CONTAINER. RINSE AREA WITH WATER.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:
AVOID EYE CONTACT. 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: CHEMICAL STORAGE.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

COMPONENT	STD	TWA	STEL
OVERBASED CALCIUM SULFONATE	OSHA	15 MG/M3 (TOTAL)	AS CaCO3
COMPLEX THICKENER	ACGIH	1 MG/M3 (INH)	NIC 2005
DISTILLATES, PETROLEUM, HEAVY	OSHA		
(CAS# 64741-88-4, 64741-96-4,	ACGIH		
64742-52-5, 64742-54-7)			
MOLYBDENUM SULFIDE (MoS2)	OSHA		
	ACGIH	3 MG/M3 (RESP) AS Mo	

COMPONENT	STD	TWA	STEL
OVERBASED CALCIUM SULFONATE	OSHA	5 MG/M3 (RESP)	AS CaCO3
COMPLEX THICKENER		10 MG/M3 **(E)	AS CaCO3
	ACGIH	5 MG/M3 (OIL MIST)	
DISTILLATES, PETROLEUM, HEAVY	OSHA		
(CAS# 64741-88-4, 64741-96-4,	ACGIH	5 MG/M3 (OIL MIST)	10 MG/M3
64742-52-5, 64742-54-7)			(OIL MIST)
MOLYBDENUM SULFIDE (MoS2)	OSHA		N/E
	ACGIH	10 MG/M3 (IHL) AS Mo	

PROTECTIVE EQUIPMENT:
GLOVES
SAFETY GOGGLES

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.

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: GREASE.

COLOR: GREY.

ODOR: MILD (OR FAINT).

SOLUBILITY DESCRIPTION: INSOLUBLE IN WATER.

DENSITY: 0.96
TEMPERATURE (DEG. C): 15.6 (60 DEG. F)

VAPOR DENSITY (AIR=1): >5

VAPOR PRESSURE: < 0.1 MMHG
TEMPERATURE (DEG. C): 20 (68 DEG. F)

EVAPORATION RATE: < 0.01
REFERENCE: BUAC=1

10. STABILITY AND REACTIVITY

STABILITY: NORMALLY STABLE.

CONDITIONS TO AVOID: AVOID CONTACT WITH ACIDS AND OXIDIZING SUBSTANCES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

POLYMERIZATION DESCRIPTION: NOT APPLICABLE

HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN FLUORIDE (HF).
OXIDES OF: CARBON. SULFUR.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:
NO EXPERIMENTAL TOXICOLOGICAL DATA ON THE PREPARATION AS SUCH IS AVAILABLE.

COMPONENT:
1-DECENE, HOMOPOLYMER, HYDROGENATED (COMMON NAME: MEDIUM POLYALPHAOLEFINS)
TOXIC DOSE-LD 50: > 2,000 MG/KG (ORAL RAT)
TOXIC DOSE-LD 50 SKIN: > 2,000 MG/KG (SKN RBT)
TOXIC CONC. - LC 50: > 5 MG/L

COMPONENT: OVERBASED CALCIUM SULFONATE COMPLEX THICKENER
TOXIC DOSE - LD 50: >2000 (ESTIMATED) MG/KG (ORAL RAT)
TOXIC DOSE - LD 50 SKIN: > 2000 (ESTIMATED) MG/KG (SKN RBT)
TOXIC CONC. - LC 50: >0.5 (ESTIMATED) MG/L (INH-RAT)

COMPONENT:
DISTILLATES, PETROLEUM, HEAVY (CAS# 64741-88-4, 64741-96-4, 64742-52-5, 64742-54-7)
TOXICOLOGICAL DATA: CARCINOGENICITY. IP 346 <3%
TOXIC DOSE - LD 50: > 5,000 MG/KG (ORAL RAT)
TOXIC DOSE - LD50 SKIN: > 2,000 MG/KG (SKN RBT)
TOXIC CONC. - LC 50: N/A.

CARCINOGENICITY:
BASE OILS IN THIS PRODUCT ARE SEVERELY SOLVENT REFINED AND/OR SEVERELY HYDROTREATED. CHRONIC MOUSE SKIN PAINTING STUDIES OF SEVERELY TREATED OILS SHOWED NO EVIDENCE OF CARCINOGENIC EFFECTS.

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 HAZARD CLASS: NOT REGULATED.

TDGR CLASS: NOT REGULATED.

SEA TRANSPORT NOTES: NOT REGULATED PER IMDG.

AIR TRANSPORT NOTES: NOT REGULATED PER IATA.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:

COMPONENT	SARA 302	CERCLA	SARA 313
1-DECENE, HOMOPOLYMER, HYDROGENATED (COMMON NAME: MEDIUM POLYALPHAOLEFINS)	NO	NO	NO
OVERBASED CALCIUM SULFONATE COMPLEX THICKENER	NO	NO	NO
DISTILLATES, PETROLEUM, HEAVY (CAS# 64741-88-4, 64741-96-4, 64742-52-5, 64742-54-7)	NO	NO	NO
MOLYBDENUM SULFIDE (MoS2)	NO	NO	NO
ETHENE, TETRAFLUORO-, HOMOPOLYMER (COMMON NAME: POLYTETRAFLUOROETHYLENE)	NO	NO	NO
BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT	NO	1 000 LBS	NO

CLEAN AIR ACT:

SARA HAZARD CATEGORIES: NONE

US STATE REGULATIONS:

COMPONENT	CA	MA	FL	MN	NJ	PA	RI
MOLYBDENUM SULFIDE (MoS2)					YES		
BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT						EH	

STATE REGULATORY STATUS:

CALIFORNIA PROPOSITION 65:
THIS PRODUCT MAY CONTAIN THE FOLLOWING CHEMICAL(S) 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:
1-NAPHTHYLAMINE, CAS # 134-32-7
2-NAPHTHYLAMINE, CAS # 91-59-8, <1PPM.

PENNSYLVANIA RIGHT-TO-KNOW:
THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS THAT THE STATE OF PENNSYLVANIA HAS IDENTIFIED AS SPECIAL HAZARDOUS SUBSTANCES (SHS), ENVIRONMENTAL HAZARDS (EH), OR BOTH (ESHS). THE PA REGULATIONS REQUIRE THAT THE MSDS IDENTIFY ALL SHS OR EH CHEMICALS BY CHEMICAL NAME, COMMON NAME, AND CAS NUMBER IF THEY COMPRISE 0.01% OR MORE.

BENZENESULFONIC ACID, DODECYL-, SODIUM SALT, ENVIRONMENTAL HAZARD, CAS# 25155-30-0

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.

CONTROLLED PRODUCT CLASSIFICATION: NOT A CONTROLLED PRODUCT.

GLOBAL INVENTORIES:

COMPONENT	CAN	US	EU	AUS	JAP
1-DECENE, HOMOPOLYMER, HYDROGENATED (COMMON NAME: MEDIUM POLYALPHAOLEFINS)	DSL	YES	POLYMER	YES	YES
OVERBASED CALCIUM SULFONATE COMPLEX THICKENER	DSL	YES	EINECS	YES	YES
MOLYBDENUM SULFIDE (MoS2)	DSL	YES	EINECS	YES	PRTR1
ETHENE, TETRAFLUORO-, HOMOPOLYMER (COMMON NAME: POLYTETRAFLUOROETHYLENE)	DSL	YES	POLYMER	YES	YES
BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT	DSL	YES	EINECS	YES	YES
DISTILLATES, PETROLEUM, HEAVY (CAS# 64741-88-4, 64741-96-4, 64742-52-5, 64742-54-7)	DSL	YES	EINECS	YES	YES

COMPONENT	KOR	PHLP	CHN
1-DECENE, HOMOPOLYMER, HYDROGENATED (COMMON NAME: MEDIUM POLYALPHAOLEFINS)	YES	YES	YES

OVERBASED CALCIUM SULFONATE COMPLEX THICKENER	YES	YES	YES
MOLYBDENUM SULFIDE (MoS_2)	YES	YES	YES
ETHENE, TETRAFLUORO-, HOMOPOLYMER (COMMON NAME: POLYTETRAFLUOROETHYLENE)	YES	YES	YES
BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT	YES	YES	YES
DISTILLATES, PETROLEUM, HEAVY (CAS# 64741-88-4, 64741-96-4, 64742-52-5, 64742-54-7)	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: BURNS ONLY IF PRE-HEATED (1) - HMIS/NFPA
REACTIVITY: NORMALLY STABLE (0) - HMIS/NFPA
PERSONAL PROTECTION INDEX: B - SAFETY EYEWEAR AND GLOVES

REVISION COMMENTS:
SECTION 2: INGREDIENTS
SECTION 11: TOXICOLOGICAL INFORMATION
SECTION 15: WHMIS

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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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