LUBRI-LOY®
PREMIUM LUBRICANTS & GREASES

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MATERIAL SAFETY DATA SHEET

8013

LUBRI-LOY EXTREME BELT DRESSING

FOOD GRADE H1

LUBRI-LOY CATALOG #: 8013 **DATE ISSUED:** 10/27/2010 New **REPLACES ISSUE:** New Issue

I PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

Product Name	**Lubri-Loy Extreme Belt Dressing Food Grade H1**
Lubri-Loy Catalog #'s	8013
Date Issued	10/27/2010 New
Replaces Issue	New Issue
24-Hr. Emergency Phone	CHEMTREC (800) 424-9300

II COMPOSITION, INFORMATION ON INGREDIENTS:

COMPONENT	CAS NUMBER	% BY WT.
Hexane isomers	107-83-5/64742-49-0	55 - 65
n-Hexane	110-54-3	4.5
Polyisobutene	9003-29-6	5 - 15
Liquefied petroleum gas	68476-86-8	25 - 35

III HAZARDS IDENTIFICATION:

EMERGENCY OVERVIEW
DANGER: Extremely Flammable. Harmful or Fatal if Swallowed. Contents Under Pressure. As defined by OSHA's Hazard Communication Standard, this product is hazardous. Appearance & Odor: Light amber liquid with mild solvent odor

POTENTIAL HEALTH EFFECTS:

ACUTE EFFECTS:
EYE: May cause mild irritation including stinging and redness, but does not injure eye.
SKIN: Single, brief exposures may cause mild irritation. Frequent or prolonged contact may cause more severe irritation, defatting of the skin, and dermatitis.
INHALATION: High vapor concentrations are irritating to the respiratory tract and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects, including death. May cause peripheral nervous system disorder andlor damage.
INGESTION: Low order of toxicity by ingestion. Main hazard is aspiration into the lungs during swallowing or vomiting. Small amounts aspirated into the respiratory system may cause bronchopneumonia or pulmonary adema, possibly progressing to death.
CHRONIC EFFECTS: Overexposure to n-hexane may cause progressive and potentially irreversible damage to the peripheral nervous system, particularly in the arms and legs.
TARGET ORGANS: central nervous system, peripheral nervous system, respiratory system Medical Conditions Aggravated by Exposure: skin and respiratory conditions.
See Section 11 for toxicology and carcinogenicity information on product ingredients.

IV FIRST AID MEASURES:

Eye Contact	Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.
Skin Contact	Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.
Inhalation	Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.
Ingestion	Do NOT induce vomiting . Contact a physician immediately.
Note to Physicians	Treat symptomatically. Gastric lavage using a cuffed endotracheal tube may be performed at your discretion.

VI FIRE FIGHTING MEASURES:

Flammable Properties: This product is extremely flammable in accordance with aerosol flammability definitions. (See 16 CFR 1500.3(c)(6)).

Flash Point	< O'F (TCC)
Autoignition Temperature	489'F
Fire and Explosion Data	Upper Explosive Limit: 9.0 Lower Explosive Limit: 1.7
Suitable Extinguishing Media	Class B fire extinguishers, dry chemical, foam or CO2
Products of Combustion	Fumes, smoke and carbon monoxide
Explosion Hazards	Aerosol containers, when exposed to heat from fire, may build pressure and explode. Vapors may accumulate in a confined space and create a flammable atmosphere.
Protection of Fire-Fighters	Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition. Do not spray water directly on fire; product will float and could be reignited on surface of water.

VII ACCIDENTAL RELEASE MEASURES:

Personal Precautions: Use personal protection recommended in Section 8.
Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.
Methods for Containment & Clean-up: Dike area to contain spill. Remove all sources of ignition. Ventilate the area with fresh air. If in confined space or limiled air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

VIII HANDLING AND STORAGE:

Handling Procedures	Use proper grounding and bonding procedures for transferring materials. Do not use product near any sources of ignition. Avoid contact with eyes and skin. Avoid breathing vapors. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. For product use instructions, please see the product label.
Storage Procedures	Store in a cool dry area out of direct sunlight. Aerosol cans must be maintained below 120 F to prevent cans from rupturing.
Aerosol Storage Level	III

VIII EXPOSURE CONTROLS, PERSONAL PROTECTION:

EXPOSURE GUIDELINES·

	OSHA		ACGIH		OTHER		
COMPONENT	**TWA**	**STEL**	**TWA**	**STEL**	**TWA**	**SOURCE**	**UNIT**
Hexane isomers	500(v)	1000(v)	500	1000	NE		ppm
n-Hexane	500	NE	50(s)	NE	NE		ppm
Polyisobutene	NE	NE	NE	NE	NE		
Liquefied petroleum gas	1000	NE	1000	NE	NE		ppm

N.E. - Not Established (c) - ceiling (s) - skin (v) - vacated

CONTROLS AND PROTECTION:

Engineering Controls	Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.
Respiratory Protection	None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Air monitoring is needed to determine actual employee exposure levels. Use a self-contained breathing apparatus in confined spaces and for emergencies.
Eye/face Protection	For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.
Skin Protection	Use protective gloves such as nitrile, PVC or Viton. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

IX PHYSICAL AND CHEMICAL PROPERTIES:

Physical State	liquid
Color	light amber
Odor	mild solvent
Odor Threshold	ND
Specific Gravity	0.6783
Initial Boiling Point	140°F
Freezing Point	< -76'F
Vapor Pressure	160 mmHg @ 68'F
Vapor Density	> 1 (air = 1)
Evaporation Rate	fast
Solubility	negligible in water
Coefficient of water/oil distribution	ND
pH	NA
Volatile Organic Compounds	wt %: 92.7 g/l: 628 lbs./gal: 5.24

X STABILITY AND REACTIVITY:

Stability	Stable
Conditions to Avoid	Sources of ignition; temperature extremes
Incompatible Materials	Strong oxidizers
Hazardous Decomposition Products	Oxides of carbon
Possibility of Hazardous Reactions	No

XI TOXICOLOGICAL INFORMATION:

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

ACUTE TOXICITY:

COMPONENT	ORAL LD50 (RAT)	DERMAL LD50 (RABBIT)	INHALATION LC50 (RAT)
Hexane isomers	No data	No data	No data
n-Hexane	> 2000 mg/kg	No data	48000 ppm/4H
Polyisobutene	No data	No data	No data
Liquefied petroleum gas	No data	No data	No data

CHRONIC TOXICITY:

COMPONENT	OSHA CARCINOGEN	IARC CARCINOGEN	NTP CARCINOGEN	IRRITANT	SENSITIZER
Hexane isomers	No	No	No	E (mildl/ S-(mild)	Unknown
n-Hexane	No	No	No	E (moderate) / S (moderate)	Unknown
Polyisobutene	No	No	No	E (mild) / S (mild)	Unknown
Liquefied petroleum gas	No	No	No	No	No

E - Eye S - Skin R - Respiratory

Reproductive Toxicity	No information available
Teratogenicity	No information available
Mutagenicity	No information available
Synergistic Effects	No information available

XII ECOLOGICAL INFORMATION:

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity	n-hexane - 48 Hr EC50 water flea: 3.87 mg/L 96 Hr LC50 Lepomis macrochirus: 4.12 mg/L
Persistence 1 Oegradability	No information available
Bioaccumulation 1 Accumulation	No information available
Mobility in Environment	No information available

XIII DISPOSAL CONSIDERATIONS:

Waste Classification: The dispensed liquid product is a RCRA hazardous waste for the characteristic of ignitability with a waste code of 0001. Pressurized containers may be considered a 0003 reactive waste. (See 40 CFR Part 261 .20 - 261 .33 and state regulations)
Empty aerosol containers may be recycled. Any liquid product should be managed as a hazardous waste.
All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

XIV TRANSPORT INFORMATION:

US DOT (ground)	Consumer Commodity, ORM-O
ICAO/IATA (air)	Consumer Commodity, 108000, 9
IMO/IMOG (water)	Aerosols, UN1950, 2.1, Limited Quantity
Special Provisions	None

X REGULATORY INFORMATION:

U.S. FEDERAL REGULATIONS:

Toxic Substances Control Act (TSCA): All ingredients are either listed on the TSCA inventory or are exempt.
Comprehensive Environmental Response. Compensation and Liabilitv Act (CERCLA):
Reportable Quantities (RQ's) exist for the following ingredients: n-hexane (5000 lbs) Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.
Superfund Amendments Reauthorization Act (SARA) Title III:
Section 302 Extremely Hazardous Substances (EHS): None

SECTION 311/312 HAZARD CATEGORIES:

Fire Hazard	Yes
Reactive Hazard	No
Release of Pressure	Yes
Acute Health Hazard	Yes
Chronic Health Hazard	Yes

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: n-hexane (4.5%)
Clean Air Act:
Section 112 Hazardous Air Pollutants (HAPs): n-hexane

U.S. STATE REGULATIONS:

California Safe Drinking Water and Toxic Enforcement Act (Prop 65): This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: None
Consumer Products vac Regulations: This product is not regulated.
State Right to Know:
New Jersey: 75-83-2, 110-54-3,79-29-8, 68476-86-8
Pennsylvania: 107-83-5, 75-83-2,110-54-3,79-29-8,68476-86-8
Massachusetts: 107-83-5, 75-83-2, 110-54-3, 79-29-8, 68476-86-8
Rhode Island : 110-54-3, 68476-86-8

CANADIAN REGULATIONS:

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.
WHMIS Hazard Class: A, B5, D2B

EUROPEAN UNION REGULATIONS:

RoHS Compliance: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.
Additional Regulatory Information: None

XI OTHER INFORMATION

NFPA-HMIS: HEALTH	2
NFPA-HMIS: FLAMMABILITY	3
NFPA-HMIS: REACTIVITY	0
HMIS PERSONAL PROTECTION	B

Ratings range from 0 (no hazard) to 4 (severe hazard)

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.