

Safety Data Sheet LUBRA-LIFT

Supersedes Date 07/26/2012

Issuing Date 10/30/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name LUBRA-LIFT
Recommended use Lubricant
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 0536
Chemical nature Petroleum distillates
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Red

Physical state liquid

Odor Petroleum distillates

GHS

Classification

Physical Hazards

None

Health Hazard

Serious Eye Damage/Eye Irritation

Skin sensitization

Carcinogenicity

Specific target organ systemic toxicity (single exposure)

Specific target organ toxicity (repeated exposure)

Category 2B

Category 1

Category 2

Category 3

Category 2

Other hazards

None

Labeling

Signal Word

WARNING



Hazard statements

H317 - May cause an allergic skin reaction

H320 - Causes eye irritation

H336 - May cause drowsiness or dizziness

H373 - May cause damage to organs through prolonged or repeated exposure

H351 - Suspected of causing cancer

Precautionary Statements

P202 - Do not handle until all safety precautions have been read and understood

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves, protective clothing and eye protection.

P272 - Contaminated work clothing should not be allowed out of the workplace

P271 - Use in a well-ventilated area.

P260 - Do not breathe mist

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P333 + P313 - If skin irritation or rash occurs, get medical attention

P363 - Wash contaminated clothing before reuse

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists, get medical attention.

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a physician if unwell.

P308 + P313 - IF exposed or concerned, get medical attention

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P501 - Dispose of contents and container in accordance with applicable local regulations.

4 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	64742-65-0	30-60
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	64742-01-4	10-30
Residual oils (petroleum), solvent dewaxed (<3% DMSO extractable)	64742-62-7	10-30
NAFTA AROMATICA	64742-94-5	1-5
Zinc alkyl dithiophosphate	68649-42-3	1-5
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	64742-54-7	1-5
2,6-Di-tert-butylphenol	128-39-2	1-5
Proprietary Alkyl phenol HMIRC# 7458	TRADE SECRET	1-5
Naphthalene	91-20-3	0.1-1
Cumene	98-82-8	0.1-1
1,3,5-Trimethylbenzene	108-67-8	0.1-1

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing mist.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to physician	May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point	> 201 °F / > 94 °C	Method	Tag closed cup
Flammability Limits in Air %:	No information available.	Upper:	No data available
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Specific hazards arising from the chemical	Material can create slippery conditions.		
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.		
NFPA	Health 2	Flammability 1	Instability 0
HMIS	Health 2	Flammability 1	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing mist.			
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
Storage Temperature	Minimum	-9 °F / -23 °C	Maximum	129 °F / 54 °C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³	No data available

Residual oils (petroleum), solvent refined (<3% DMSO extractable)	5 mg/m ³	5 mg/m ³	No data available
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³	No data available
Naphthalene	TWA: 10 ppm Skin	TWA: 10 ppm TWA: 50 mg/m ³	250 ppm STEL 15 ppm STEL 75 mg/m ³ TWA: 10 ppm TWA: 50 mg/m ³
Cumene	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m ³ Skin	900 ppm TWA: 50 ppm TWA: 245 mg/m ³
1,3,5-Trimethylbenzene	TWA: 25 ppm	No data available	TWA: 25 ppm TWA: 125 mg/m ³

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Eye/Face Protection

Safety glasses with side-shields.

Skin Protection

Wear suitable protective clothing, Impervious gloves.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid	Viscosity	Slightly Viscous
Color	Red	Odor	Petroleum distillates
Odor Threshold	Not applicable	Appearance	Transparent
pH	Not applicable	Specific Gravity	0.91
Evaporation Rate	0.01 (Butyl acetate=1)	Percent Volatile (Volume)	0
VOC Content (%)	10.5	VOC Content (g/L)	0
Vapor Pressure	0.18 mmHg @ 70°F	Vapor Density	6.0
Solubility	Negligible	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	601 °F / 316 °C	Flammability (solid, gas)	No data available
Flash Point	> 201 °F / > 94 °C	Method	Tag closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	No information available	Upper:	No data available
		Lower:	No data available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known.
Incompatible Products	Strong oxidizing agents, Reducing agents, Acids, Aldehydes, Halogenated compounds, Acid anhydrides.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Oxides of phosphorus, Zinc oxide fumes, Aldehydes, Smoke, Sulfides.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Dermal LD50 No information available

Inhalation LC50

Gas No information available

Mist No information available

Vapor No information available

Principle Route of Exposure Skin contact, Eye contact.

Primary Routes of Entry Ingestion.

Acute Effects:

Eyes Causes eye irritation.

Skin May cause sensitization by skin contact. Repeated exposure may cause skin dryness or cracking.

Inhalation May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. May

cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion
Chronic Toxicity

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Prolonged skin contact may defat the skin and produce dermatitis. May cause sensitization by skin contact. Liver and kidney injuries may occur. Contains a known or suspected carcinogen.

Target Organ Effects
Aggravated Medical Conditions

Liver, Kidney, Central nervous system, Heart, Blood, Lungs, Eyes, Skin, Immune system. Skin disorders, Respiratory disorders, Liver disorders, Kidney disorders, Blood disorders, Neurological disorders, Heart disease.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable) 64742-65-0	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	no data available	no data available	no data available
Residual oils (petroleum), solvent refined (<3% DMSO extractable) 64742-01-4	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h	no data available	no data available
Residual oils (petroleum), solvent dewaxed (<3% DMSO extractable) 64742-62-7	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h	no data available	no data available
NAFTA AROMATICA 64742-94-5	> 5000 mg/kg (Rat)	> 2 mL/kg (Rabbit)	> 590 mg/m ³ (Rat) 4 h	no data available	no data available
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable) 64742-54-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	no data available	no data available	no data available
2,6-Di-tert-butylphenol 128-39-2	> 5000 mg/kg (Rat)	> 10 g/kg (Rabbit)	no data available	no data available	no data available
Naphthalene 91-20-3	= 1110 mg/kg (Rat)	= 1120 mg/kg (Rabbit)	> 340 mg/m ³ (Rat) 1 h	no data available	no data available
Cumene 98-82-8	= 1400 mg/kg (Rat)	= 12300 µL/kg (Rabbit)	> 3577 ppm (Rat) 6 h	no data available	no data available
1,3,5-Trimethylbenzene 108-67-8	no data available	no data available	= 24 g/m ³ (Rat) 4 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Naphthalene 91-20-3	no data available	Skin sensitization	no data available	no data available	Blood, Skin, Central nervous system, Eyes, Liver, Kidney
Cumene 98-82-8	no data available	no data available	no data available	no data available	Skin, Central nervous system, Eyes, Respiratory system
1,3,5-Trimethylbenzene 108-67-8	no data available	no data available	no data available	no data available	Blood, Skin, Central nervous system, Eyes, Respiratory system

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Naphthalene 91-20-3	not applicable	2B	not applicable	not applicable	not applicable
Cumene 98-82-8	not applicable	Group 2B	not applicable	X	not applicable

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
Residual oils (petroleum), solvent dewaxed (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
NAFTA AROMATICA	No information available.	LC50 = 19 mg/L Pimephales promelas 96 h LC50 = 2.34 mg/L Oncorhynchus mykiss 96 h LC50 = 1740 mg/L Lepomis macrochirus 96 h LC50 = 45 mg/L Pimephales	No information available	0.95: 48 h Daphnia magna mg/L EC50	6.1

		promelas 96 h LC50 = 41 mg/L Pimephales promelas 96 h			
Zinc alkyl dithiophosphate	No information available.	LC50 1.0 - 5.0 mg/L Pimephales promelas 96 h LC50 10.0 - 35.0 mg/L Pimephales promelas 96 h	No information available	1 - 1.5: 48 h Daphnia magna mg/L EC50	N/A
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	No information available.	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
2,6-Di-tert-butylphenol	No information available.	No information available.	No information available	0.45: 48 h Daphnia magna mg/L EC50	N/A
Naphthalene	No information available.	LC50 5.74 - 6.44 mg/L Pimephales promelas 96 h LC50 = 1.6 mg/L Oncorhynchus mykiss 96 h LC50 0.91 - 2.82 mg/L Oncorhynchus mykiss 96 h LC50 = 1.99 mg/L Pimephales promelas 96 h LC50 = 31.0265 mg/L Lepomis macrochirus 96 h	EC50 = 0.93 mg/L 30 min EC50 > 20 mg/L 18 h	2.16: 48 h Daphnia magna mg/L LC50 1.96: 48 h Daphnia magna mg/L EC50 Flow through 1.09 - 3.4: 48 h Daphnia magna mg/L EC50 Static	3.3
Cumene	EC50 = 2.6 mg/L Pseudokirchneriella subcapitata 72 h	LC50 6.04 - 6.61 mg/L Pimephales promelas 96 h LC50 = 4.8 mg/L Oncorhynchus mykiss 96 h LC50 = 2.7 mg/L Oncorhynchus mykiss 96 h LC50 = 5.1 mg/L Poecilia reticulata 96 h	EC50 = 0.89 mg/L 5 min EC50 = 1.10 mg/L 15 min EC50 = 1.48 mg/L 30 min EC50 = 172 mg/L 24 h	0.6: 48 h Daphnia magna mg/L EC50 7.9 - 14.1: 48 h Daphnia magna mg/L EC50 Static	3.55
1,3,5-Trimethylbenzene	No information available.	LC50 = 3.48 mg/L Pimephales promelas 96 h LC50 = 7.72 mg/L Pimephales promelas 96 h	No information available	No information available.	N/A

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of contents/container in accordance with local regulation.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. REGULATORY INFORMATION

Inventories**TSCA**

Complies

DSL

Complies

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Component	CAS No.	Weight % *	SARA 313 - Threshold Values
Zinc alkyl dithiophosphate	68649-42-3	1-5	1.0
Naphthalene	91-20-3	0.1-1	0.1

Cumene	98-82-8	0.1-1	1.0
SARA 311/312 Hazardous Categorization			
Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard
Yes	Yes	No	No
CERCLA			
Component	Hazardous Substances RQs	CERCLA EHS RQs	
Naphthalene	100 lb 1 lb	Not applicable	
Cumene	5000 lb	Not applicable	

16. OTHER INFORMATION

Prepared By Adrienne McKee
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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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