

Safety Data Sheet: LUBREASE AEROSOL

Supersedes Date 03/09/2011

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name LUBREASE AEROSOL
Recommended use Lubricant
Information on Manufacturer
CHEMSEARCH DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code 5033
Chemical nature Aerosol
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Black

Physical State Liquid

Odor Petroleum distillates

GHS

Classification

Physical Hazards

Flammable aerosols
Gases under pressure
Compressed Gas

Category 2

Health Hazard

Aspiration Toxicity
Acute Inhalation Toxicity - Dusts and Mists
Serious Eye Damage/Eye Irritation
Skin Sensitization
Specific target organ systemic toxicity (single exposure)
Specific target organ systemic toxicity (repeated exposure)

Category 1
Category 4
Category 2B
Category 1
Category 3
Category 2

Other hazards

None

Labeling

Signal Word

DANGER



Hazard Statements

H223 - Flammable aerosol
H317 - May cause an allergic skin reaction
H320 - Causes eye irritation
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness
H304 - May be fatal if swallowed and enters airways
H373 - May cause damage to organs through prolonged or repeated exposure
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements

P210 - Keep away from heat, sparks, open flames or hot surfaces.
P251 - Pressurized container: Do not pierce or burn, even after use
P260 - Do not breathe mist
P271 - Use in a well-ventilated area.
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace
P270 - Do not eat, drink or smoke when using this product
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.
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
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.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P403 - Store in a well-ventilated place
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents and container in accordance with applicable regulations.

41 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	64742-52-5	15-40
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	64742-53-6	15-40
Petrolatum	8009-03-8	7-13
Propane	74-98-6	5-10
Sodium sulfonate	68608-26-4	5-10
Polybutene	9003-29-6	1-5
Hexylene glycol	107-41-5	1-5
Butane	106-97-8	1-5
Stoddard solvent	8052-41-3	1-5
1,3,5-Trimethylbenzene	108-67-8	0.1-1
Pseudocumene	95-63-6	0.1-1

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
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	Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
Notes to physician	Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways. May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point	> 201 °F / > 94 °C	Method	Seta closed cup
Flammability Limits in Air % Mixture.		Upper	9.5
Suitable Extinguishing Media			Lower 1.0
Foam. Alcohol-resistant foam. Carbon dioxide (CO ₂). Water spray. Dry powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
Specific hazards arising from the chemical			
Material can create slippery conditions. Flame extension: 10 inches / 26 cm and Burnback: 0 inch / 0 cm.			
Protective Equipment and Precautions for Firefighters			
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear			
Aerosol Level (NFPA 30B) -	3		
NFPA	Health 2	Flammability	4
HMIS	Health 2	Flammability	4
		Instability	0
		Instability	0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all sources of ignition. Ensure adequate ventilation.
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	Ensure adequate ventilation. Keep away from heat and sources of ignition. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.			
Storage	Keep in a dry, cool and well-ventilated place.			
Storage Temperature	Minimum	35 °F / 2 °C	Maximum	120 °F / 49 °C
Storage Conditions	Indoor	X	Outdoor	
			Heated	
				Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	TWA: 5 mg/m ³ ; STEL: 10 mg/m ³	TWA: 5 mg/m ³	IDLH: 2,500 mg/m ³ ; STEL 10 mg/m ³ ; TWA: 5 mg/m ³
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	5 mg/m ³ as oil mist	10 mg/m ³ as oil mist	No data available
Petrolatum	5 mg/m ³ as oil mist	10 mg/m ³ as oil mist	No data available
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³
Sodium sulfonate	No data available	No data available	No data available
Polybutene	5 mg/m ³ as oil mist	10 mg/m ³ as oil mist	No data available
Hexylene glycol	Ceiling: 25 ppm	No data available	Ceiling: 25 ppm Ceiling: 125 mg/m ³
Butane	STEL: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m ³
Stoddard solvent	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ TWA: 350 mg/m ³
1,3,5-Trimethylbenzene	No data available	No data available	TWA: 25 ppm TWA: 125 mg/m ³
Pseudocumene	No data available	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

Tightly fitting safety goggles.

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

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	Non viscous
Color	Black	Odor	Petroleum distillates
Odor Threshold	Not applicable	Appearance	Opaque
pH	Not applicable	Specific Gravity	0.852
Evaporation Rate	24.5 (Butyl acetate=1)	Percent Volatile (Volume)	21.6
VOC Content (%)	16.3	VOC Content (g/L)	137
Vapor Pressure	1999 mmHg @ 70°F	Vapor Density	1.7 (Air = 1.0)
Solubility	Negligible	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	500 °F / 260 °C	Flammability (solid, gas)	No data available
Flash Point	> 201 °F / > 94 °C	Method	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %	Mixture.	Upper 9.5 Lower 1.0	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known
Incompatible Products	Strong oxidizing agents, Strong acids, Aldehydes, Ketones.
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Aldehydes, Ketones.
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50 4,960.48
Dermal LD50 2,214.25
Inhalation LC50
Gas No information available
Mist 2.56
Vapor 2.65

Principle Route of Exposure Skin contact, Eye contact.
Primary Routes of Entry Inhalation, Skin Absorption.

Acute Effects

Eyes Severe irritation.
Skin Causes skin irritation. May cause sensitization by skin contact.
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. May cause cardiac arrhythmia.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Causes headache, drowsiness or other effects to the central nervous system. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

Chronic Toxicity

Repeated or prolonged exposure may cause central nervous system damage. Liver and kidney injuries may occur. May cause sensitization by skin contact. May cause irregular heartbeats, especially under conditions of stress.

Target Organ Effects

Central nervous system, Heart, Liver, Kidney, Blood, Respiratory system, Immune system.

Aggravated Medical Conditions

Respiratory disorders, Skin disorders, Liver disorders, Kidney disorders, Blood disorders, Neurological disorders, Heart disease.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	no data available	no data available	no data available
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available
Petrolatum	no data available	= 3600 mg/kg (Rabbit)	no data available	no data available	no data available
Propane	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available
Sodium sulfonate	no data available	no data available	no data available	no data available	no data available
Polybutene	no data available	no data available	no data available	no data available	no data available
Hexylene glycol	= 3692 mg/kg (Rat)	no data available	> 310 mg/m ³ (Rat) 1 h	no data available	no data available
Butane	no data available	no data available	= 658 g/m ³ (Rat) 4 h	no data available	no data available
Stoddard solvent	no data available	no data available	no data available	no data available	no data available
1,3,5-Trimethylbenzene	no data available	no data available	= 24 g/m ³ (Rat) 4 h	no data available	no data available
Pseudocumene	= 3400 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m ³ (Rat) 4 h	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	respiratory system
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	respiratory system
Petrolatum	no data available	no data available	no data available	no data available	no data available
Propane	no data available	no data available	no data available	no data available	CNS, heart
Sodium sulfonate	no data available	no data available	no data available	no data available	no data available
Polybutene	no data available	no data available	no data available	no data available	Heart, liver, kidney, lung
Hexylene glycol	no data available	Skin sensitization	no data available	no data available	eyes, CNS, respiratory system, skin, immune system
Butane	no data available	no data available	no data available	no data available	CNS, heart
Stoddard solvent	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin, kidneys
1,3,5-Trimethylbenzene	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin, blood, ears, heart
Pseudocumene	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin, blood, ears, heart

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA	Other
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	not applicable				
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	not applicable				
Petrolatum	not applicable				
Propane	not applicable				
Sodium sulfonate	not applicable				
Polybutene	not applicable				
Hexylene glycol	not applicable				
Butane	not applicable				
Stoddard solvent	not applicable				
1,3,5-Trimethylbenzene	not applicable				
Pseudocumene	not applicable				

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	EC50> 1000 mg/L 48 h	N/A
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	EC50> 1000 mg/L 48 h	N/A
Petrolatum	no data available	no data available	no data available	no data available	N/A
Propane	no data available	no data available	no data available	no data available	2.3
Sodium sulfonate	no data available	no data available	no data available	no data available	N/A
Polybutene	no data available	no data available	no data available	no data available	N/A
Hexylene glycol	no data available	LC50 10500 - 11000 mg/L Pimephales promelas 96 h LC50 = 10000 mg/L Lepomis macrochirus 96 h LC50 = 8690 mg/L Pimephales promelas 96 h LC50 = 10700 mg/L Pimephales promelas 96 h	EC50 = 3038 mg/L 5 min	EC50 2700 - 3700 mg/L 48 h	<0.14
Butane	no data available	no data available	no data available	no data available	2.89
Stoddard solvent	no data available	no data available	no data available	no data available	N/A
1,3,5-Trimethylbenzene	no data available	LC50 = 3.48 mg/L Pimephales promelas 96 h	no data available	EC50= 50 mg/L 24 h	N/A
Pseudocumene	no data available	LC50 7.19 - 8.28 mg/L Pimephales promelas 96 h	no data available	EC50= 6.14 mg/L 48 h	3.63

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of in accordance with local regulations.

Container Disposal

Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name
Hazard Class
Description

Consumer commodity
ORM-D
Consumer commodity, ORM-D.

TDG

Hazard Class
UN-No

2.1
UN1950

ICAO

UN-No UN1950
 Proper Shipping Name Aerosols
 Hazard Class 2.1
 Shipping Description UN1950, AEROSOLS, FLAMMABLE 2.1 LTD QTY

IATA

UN-No UN1950
 Proper Shipping Name Aerosols, flammable
 Hazard Class 2.1
 ERG Code 10L
 Shipping Description UN1950, Aerosols, flammable, 2.1 LTD QTY

IMDG/IMO

Proper Shipping Name Aerosols
 Hazard Class 2
 UN-No UN1950
 EmS No. F-D, S-U
 Shipping Description UN1950, Aerosols, 2.1, LTD QTY

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
Pseudocumene	95-63-6	0.1-1	1.0

SARA 311/312 Hazardous Categorization

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

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	Not applicable	Not applicable
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	Not applicable	Not applicable
Petrolatum	Not applicable	Not applicable
Propane	Not applicable	Not applicable
Sodium sulfonate	Not applicable	Not applicable
Polybutene	Not applicable	Not applicable
Hexylene glycol	Not applicable	Not applicable
Butane	Not applicable	Not applicable
Stoddard solvent	Not applicable	Not applicable
1,3,5-Trimethylbenzene	Not applicable	Not applicable
Pseudocumene	Not applicable	Not applicable

16. OTHER INFORMATION

Prepared By Angela Hutson
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 Reason for Revision No information available.
 Glossary No information available.
 List of References. No information available.

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