Material Safety Data Sheet: LUBREASE AEROSOL

Supercedes Date 07-Dec-2005 **Issuing Date** 19-Mar-2008

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

2. HAZARDS IDENTIFICATION

Emergency Overview
Danger
May cause skin irritation
May cause allergic skin reaction
Severe eye irritation
May be harmful if inhaled
Harmful or fatal if swallowed
Contents under pressure

Color Black **Physical State** Aerosol **Odor** Petroleum distillates

Potential Health Effects

Principle Route of Exposure	Skin contact, Eye contact.
Primary Routes of Entry	Inhalation, Skin Absorption.
Acute Effects	
Eyes	Severe eye irritant.
Skin	May cause skin irritation. May cause sensitization by skin contact.
Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system . Inhalation may cause central nervous system effects.
Ingestion	Harmful if swallowed. Causes headache, drowsiness or other effects to the central nervous system. Aspiration hazard if swallowed - can enter lungs and cause damage.
Chronic Effects	May cause sensitization by skin contact.
Target Organ Effects	Liver, Kidney, Bladder, Central nervous system, Bone Marrow.
Aggravated Medical Conditions	Skin disorders. Respiratory disorders.
Potential Environmental Effects	See Section 12 for additional Ecological information

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

The product contains no substances which at their given concentration, are considered to be hazardous to health

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	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
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.
Notes to Physician	Aspiration hazard if swallowed - can enter lungs and cause damage.

5. FIRE-FIGHTING MEASURES

Flash Point > 201°F / > 94°C **Method** Seta closed cup
Autoignition Temperature No information available
Flammability Limits in Air Mixture **Upper** 9.5 **Lower** 1.2
Suitable Extinguishing Media
Foam. Alcohol-resistant foam . Carbon dioxide (CO2). Water spray. Dry powder.
Specific Hazards Arising from the Chemical
The product causes irritation of eyes, skin, and mucous membranes . Flame extension: 10 inches / 26 cm and Burnback: 0 inches / 0 cm

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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

NFPA	**Health**	2	**Flammability**	4	**Instability**	0
HMIS	**Health**	2	**Flammability**	4	**Instability**	0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Ensure adequate ventilation

Environmental Precautions Prevent further leakage or spillage if safe to do so

Methods for Containment No information available

Methods for Cleaning Up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid breathing vapors or mists. Keep away from heat, sparks and open flame. - No smoking.

Storage Keep containers tightly closed 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
Butane	TWA: 1000 ppm	no data available	TWA: 1900 mg/m^3 TWA: 800 ppm
Hexylene glycol	Ceiling: 25 ppm	no data available	Ceiling: 25 ppm Ceiling: 125 mg/m^3
1,3,5-Trimethylbenzene	TWA: 25 ppm	no data available	TWA: 25 ppm TWA: 125 mg/m^3
Sodium sulfonate	No data available	no data available	no data available
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m^3	IDLH: 2100 ppm TWA: 1800 mg/m^3 TWA: 1000 ppm
Petrolatum	No data available	no data available	no data available
Stoddard solvent	TWA: 100 ppm	TWA: 2900 mg/m^3 TWA: 500 ppm	IDLH: 20000 mg/m^3 Ceiling: 1800 mg/m^3 TWA: 350 mg/m^3
Polybutene	No data available	no data available	no data available
Pseudocumene	TWA: 25 ppm	no data available	TWA: 125 mg/m^3 TWA: 25 ppm
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	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

Engineering Measures Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye/Face Protection Goggles.

Skin Protection Impervious gloves.

Respiratory Protection Use NIOSH approved respiratory protection.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Aerosol	**Viscosity**	Non viscous
Color	Black	**Odor**	Petroleum distillates
Appearance	Opaque	**pH**	Not applicable
Specific Gravity	No information available0.9	**Bulk Density**	No data available
Evaporation Rate	24.6 (Butyl acetate=1)	**Percent Volatile (Volume)**	22
VOC Content (%)	15.9	**Vapor Pressure**	2024 mmHg @ 70 °F
Vapor Density	1.7	**Solubility**	Insoluble
Boiling Point/Range	500°F / 260°C		

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions

Conditions to Avoid Heat, flames, and sparks

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 No information available

Component Information No information available

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Butane	no data available	no data available	658 g/m^3 (Rat) 4 h	no data available	no data available
Hexylene glycol	3692 mg/kg (Rat)	8560 µL/kg (Rabbit)	310 mg/m^3 (Rat) 1 h	no data available	no data available

1,3,5-Trimethylbenzene	8970 mg/kg (Rat)	no data available	24 g/m3 (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
Propane	no data available	658 mg/kg (Rat)	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
Stoddard solvent	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
Pseudocumene	3400 mg/kg (Rat)	3160 mg/kg (Rabbit)	18 g/m3 (Rat) 4 h	no data available	no data available
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h	no data available	no data available
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.18 mg/L (Rat) 4 h	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Butane	no data available	no data available	no data available	no data available	Central nervous system.
Hexylene glycol	no data available	no data available	no data available	no data available	Central nervous system, Bone Marrow.
1,3,5-Trimethylbenzene	no data available	no data available	no data available	no data available	Cardiovascular, Central nervous system.
Sodium sulfonate	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	Central nervous system.
Petrolatum	no data available	no data available	no data available	no data available	no data available
Stoddard solvent	no data available	no data available	no data available	no data available	Central nervous system, Kidney.
Polybutene	no data available	no data available	no data available	no data available	no data available
Pseudocumene	no data available	no data available	no data available	no data available	Cardiovascular, Central nervous system.
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	no data available	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

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

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

12. ECOLOGICAL INFORMATION

Product Information No information available

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Butane	no data available	no data available	no data available	no data available	2.89
Hexylene glycol	no data available	LC50= 10700 mg/L Pimephales promelas 96 h LC50= 12800 mg/L Lepomis macrochirus 96 h LC50= 8690 mg/L Pimephales promelas 96 h	EC50 = 3038 mg/L 5 min	EC50 = 3200 mg/L 48 h	0.14
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
Sodium sulfonate	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
Petrolatum	no data available	no data available	no data available	no data available	N/A
Stoddard solvent	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
Pseudocumene	no data available	LC50= 7.72 mg/L Pimephales promelas 96 h	no data available	EC50 = 6.14 mg/L 48 h	3.63
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	LC50> 5000 mg/L Pimephales promelas 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 Pimephales promelas 96 h	no data available	EC50 > 1000 mg/L 48 h	N/A

Persistence and Degradability No information available
Bioaccumulation No information available
Mobility No information available

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of as hazardous waste in compliance with local and national regulations
Container Disposal Contents under pressure Do not puncture.

14. TRANSPORT INFORMATION

DOT Not regulated
Proper Shipping Name Consumer commodity
Hazard Class ORM-D
Description Consumer commodity,ORM-D,

TDG
Proper shipping name Aerosols
Hazard Class 2.1

UN-No UN1950
Description AEROSOLS,2.1,UN1950 LTD QTY

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 and Title 40n 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	No	No	Yes	No

CERCLA

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

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.
WHMIS Hazard Class
A Compressed gases, B5 Flammable aerosol, D2B Toxic materials .

16. OTHER INFORMATION

Prepared By Dan Hollas
Supercedes Date 07-Dec-2005
Issuing Date 19-Mar-2008
Reason for Revision No information available
Glossary No information available
List of References No information available

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