

Safety Data Sheet: MAXI-LUBE

Supersedes Date 10/25/2013

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1. PRODUCT AND COMPANY IDENTIFICATION

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

Product Code 4464
Chemical nature Petroleum oil blend
Emergency Telephone Number

Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Black

Physical State Grease

Odor Oily

GHS

Classification

Physical Hazards

None

Health Hazard

Serious Eye Damage/Eye Irritation

Category 2B

Other hazards

None

Labeling

Signal Word

WARNING

Hazard Statements

H315 - Causes skin irritation

Precautionary Statements

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

15 % 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	60-100
Calcium carbonate	1317-65-3	7-13
Aluminum benzoate fatty acid complex	82980-54-9	5-10
Tricalcium phosphate	1306-06-5	1-5
Styrene-Ethylene/Propylene Block Copolymer	68648-89-5	1-5
Molybdenum disulfide	1317-33-5	1-5

4. FIRST AID MEASURES

General advice

Avoid contact with skin, eyes and clothing.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact

Wipe up with absorbent material (e.g. cloth, fleece). Wash off immediately with soap and plenty of water. 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. Rinse mouth.

Notes to physician

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flash Point

450 °F / 232 °C

Method

Open cup

Flammability Limits in Air % No information available.**Upper** No data available**Lower** No data available**Suitable Extinguishing Media**

Water spray. Foam. Carbon dioxide (CO₂). 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, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA**Health** 1**Flammability** 1**Instability** 0**HMIS****Health** 1**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

Pick up and transfer to properly labeled containers.

Neutralizing Agent

Not applicable.

7. HANDLING AND STORAGE**Handling**

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Storage

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Temperature**Minimum** 10 °F / -12 °C**Maximum** 150 °F / 66 °C**Storage Conditions****Indoor** X**Outdoor** X**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	No data available
Calcium carbonate	No data available	TWA: 15 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³
Aluminum benzoate fatty acid complex	No data available	No data available	No data available
Tricalcium phosphate	No data available	No data available	No data available
Styrene-Ethylene/Propylene Block Copolymer	No data available	No data available	No data available
Molybdenum disulfide	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 15 mg/m ³	No data available

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields.

Skin Protection

For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

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. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Grease

Viscosity

Semi-Solid

Color

Black

Odor

Oily

Odor Threshold

Not applicable

Appearance

Textured black paste

pH

Not applicable

Specific Gravity

0.93

Evaporation Rate

0 (BuAc = 1)

Percent Volatile (Volume)

0

VOC Content (%)

0

VOC Content (g/L)

0

Vapor Pressure

<0.01 mmHg @ 70°F

Vapor Density

11.3 (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

475 °F / 246 °C

Flammability (solid, gas)

No data available

Flash Point

450 °F / 232 °C

Method

Open 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
Conditions to Avoid**

Stable. Hazardous polymerization does not occur.
Extremes of temperature and direct sunlight, Keep away from open flames, hot surfaces, and sources of ignition.

Incompatible Products
Hazardous Decomposition Products
Possibility of Hazardous Reactions

Strong oxidizing agents, Acids.
Carbon oxides, Sulfur oxides, Oxides of phosphorus.
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	500.00
Dermal LD50	2,002.00
Inhalation LC50	
Gas	No information available
Mist	108.00
Vapor	No information available

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

Acute Effects

Eyes May cause eye irritation.
Skin May cause skin irritation.
Inhalation Low hazard for usual industrial or commercial handling.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity Prolonged skin contact may defat the skin and produce dermatitis. Kidney injury may occur.

Target Organ Effects Respiratory system, Kidney, Eyes, Blood, Bone.

Aggravated Medical Conditions Respiratory disorders, Skin disorders, Kidney disorders, Blood disorders.

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
Calcium carbonate	= 6450 mg/kg (Rat)	no data available	no data available	no data available	no data available
Aluminum benzoate fatty acid complex	no data available	no data available	no data available	no data available	no data available
Tricalcium phosphate	no data available	no data available	no data available	no data available	no data available
Styrene-Ethylene/Propylene Block Copolymer	no data available	no data available	no data available	no data available	no data available
Molybdenum disulfide	no data available	no data available	> 2820 mg/m ³ (Rat) 4 h	no data available	no data available

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	no data available
Calcium carbonate	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Aluminum benzoate fatty acid complex	no data available	no data available	no data available	no data available	no data available
Tricalcium phosphate	no data available	no data available	no data available	no data available	no data available
Styrene-Ethylene/Propylene Block Copolymer	no data available	no data available	no data available	no data available	no data available
Molybdenum disulfide	no data available	no data available	no data available	no data available	respiratory system, kidneys, eyes, blood, bones, joints

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
Calcium carbonate	not applicable	not applicable	not applicable	not applicable	not applicable
Aluminum benzoate fatty acid complex	not applicable	not applicable	not applicable	not applicable	not applicable
Tricalcium phosphate	not applicable	not applicable	not applicable	not applicable	not applicable

Styrene-Ethylene/Propylene Block Copolymer	not applicable	not applicable	not applicable	not applicable	not applicable
Molybdenum disulfide	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
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	1000: 48 h Daphnia magna mg/L EC50	N/A
Calcium carbonate	no data available	no data available	no data available	no data available	N/A
Aluminum benzoate fatty acid complex	no data available	no data available	no data available	no data available	N/A
Tricalcium phosphate	no data available	no data available	no data available	no data available	N/A
Styrene-Ethylene/Propylene Block Copolymer	no data available	no data available	no data available	no data available	N/A
Molybdenum disulfide	no data available	no data available	no data available	no data available	N/A

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

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

Does not Comply

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

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

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	Not applicable	Not applicable
Calcium carbonate	Not applicable	Not applicable
Aluminum benzoate fatty acid complex	Not applicable	Not applicable
Tricalcium phosphate	Not applicable	Not applicable
Styrene-Ethylene/Propylene Block Copolymer	Not applicable	Not applicable
Molybdenum disulfide	Not applicable	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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