

Safety Data Sheet: MAXI-LUBE #1 WG

Supersedes Date 01/07/2014

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MAXI-LUBE #1 WG
Recommended use Lubricant
Information on Manufacturer
CHEMSEARCH DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code 4535
Chemical nature mixture
Emergency Telephone Number

Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Black

Physical State Solid

Odor Mild Petroleum

GHS

Classification

Physical Hazards

None

Health Hazard

Serious Eye Damage/Eye Irritation

Category 2B

Other hazards

None

Labeling

Signal Word

WARNING

Hazard Statements

H320 - Causes eye 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.

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	7-13
Tricalcium phosphate	1306-06-5	1-5
Styrene-Ethylene/Propylene Block Copolymer	68648-89-5	1-5
Molybdenum disulfide	1317-33-5	1-5
Barium dinonylnaphthalene sulfonate	25619-56-1	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 with soap and plenty of water. Get medical attention if irritation develops and persists.

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 330 °F / > 166 °C
Flammability Limits in Air % Not applicable.

Method Open cup
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

Prevent further leakage or spillage if safe to do so.

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.

Storage

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

Storage Temperature

Minimum 0 °F / -18 °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	IDLH: 2,500 mg/m ³ ; STEL 10 mg/m ³ ; TWA: 5 mg/m ³
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	IDLH: 5000 mg/m ³
Barium dinonylnaphthalene sulfonate	TWA: 0.5 mg/m ³	TWA: 0.5 mg/m ³	TWA: 0.5 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

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

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment. 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	Solid	Viscosity	Semi-Solid
Color	Black	Odor	Mild Petroleum
Odor Threshold	Not applicable	Appearance	Opaque
pH	Not applicable	Specific Gravity	0.99
Evaporation Rate	0 (Butyl acetate=1)	Percent Volatile (Volume)	0
VOC Content (%)	0	VOC Content (g/L)	0
Vapor Pressure	<0.01 mmHg @ 70°F	Vapor Density	7.7
Solubility	Negligible	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	> 343 °F / 173 °C	Flammability (solid, gas)	No data available
Flash Point	330 °F / > 166 °C	Method	Open cup

Autoignition Temperature
Flammability Limits in Air %

No information available.
Not applicable.

Upper No data available Lower No data available

10. STABILITY AND REACTIVITY

Chemical Stability
Conditions to Avoid
Incompatible Products
Hazardous Decomposition Products
Possibility of Hazardous Reactions

Stable. Hazardous polymerization does not occur.
None known
Strong oxidizing agents, Acids, Bases, Metal nitrates.
Carbon oxides, Oxides of phosphorus, Aldehydes, Ketones, Sulfur oxides.
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 5,223.20
Dermal LD50 2,002.21
Inhalation LC50
Gas No information available
Mist 2.22
Vapor No information available

Principle Route of Exposure Eye contact, Skin contact.
Primary Routes of Entry None known

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 None known.
Target Organ Effects Kidney, Eyes, Skin, Blood, Bone, Respiratory system.
Aggravated Medical Conditions Skin disorders, Kidney disorders, Blood disorders, Respiratory disorders.

Component Information

Acute Toxicity None known

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
Barium dinonylnaphthalene sulfonate	no data available	no data available	no data available	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	respiratory system
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
Barium dinonylnaphthalene sulfonate	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Petroleum distillates,	not applicable	not applicable	not applicable	not applicable	not applicable

hydrotreated heavy naphthenic (<3% DMSO extractable)					
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
Barium dinonylnaphthalene sulfonate	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	EC50> 1000 mg/L 48 h	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
Barium dinonylnaphthalene sulfonate	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

Complies

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.

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Barium dinonylnaphthalene sulfonate	25619-56-1	1-5	1.0

SARA 311/312 Hazardous Categorization

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