

# Material Safety Data Sheet: MAXI-LUBE (CART)

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** MAXI-LUBE (CART)  
**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**  
CHEMTREC® 800-424-9300

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

CAUTION

May cause skin irritation

May cause eye irritation

**Color** Black

**Physical State** Grease

**Odor** Oily

**Potential Health Effects**

**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.

**Potential Environmental Effects**

See Section 12 for additional Ecological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component   | CAS-No     |
|---|------------|
| Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) | 64742-52-5 |
| Calcium carbonate   | 1317-65-3  |
| Aluminum benzoate fatty acid complex  | 82980-54-9 |
| Tricalcium phosphate  | 1306-06-5  |
| Styrene-Ethylene/Propylene Block Copolymer                                  | 68648-89-5 |
| Molybdenum disulfide  | 1317-33-5  |

## 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

**Autoignition Temperature** No information available.

**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

|                                  |  |
|----------------------------------|--|
| <b>Personal Precautions</b>      | Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.  |
| <b>Environmental Precautions</b> | Do not flush into surface water or sanitary sewer system.  |
| <b>Methods for Containment</b>   | 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) |
| <b>Methods for Cleaning Up</b>   | Pick up and transfer to properly labeled containers.   |
| <b>Neutralizing Agent</b>        | Not applicable.  |

### 7. HANDLING AND STORAGE

|                            |   |                |                |                     |
|----------------------------|---|----------------|----------------|---------------------|
| <b>Handling</b>            | Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.                          |                |                |                     |
| <b>Storage</b>             | Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. |                |                |                     |
| <b>Storage Temperature</b> | <b>Minimum</b>  | 10 °F / -12 °C | <b>Maximum</b> | 150 °F / 66 °C      |
| <b>Storage Conditions</b>  | <b>Indoor</b>   | X              | <b>Outdoor</b> | X                   |
|                            |   |                | <b>Heated</b>  | <b>Refrigerated</b> |

### 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 <sup>3</sup> ; STEL: 10 mg/m <sup>3</sup> | TWA: 5 mg/m <sup>3</sup>                              | No data available                                     |
| Calcium carbonate   | No data available                                     | TWA: 15 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup> | TWA: 10 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup> |
| 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 <sup>3</sup><br>TWA: 3 mg/m <sup>3</sup> | TWA: 15 mg/m <sup>3</sup>                             | 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

|                                  |                      |                         |                   |
|----------------------------------|----------------------|-------------------------|-------------------|
| <b>Physical State</b>            | Grease               | <b>Viscosity</b>        | Semi-Solid        |
| <b>Color</b>                     | Black                | <b>Odor</b>             | Oily              |
| <b>Appearance</b>                | Textured black paste | <b>pH</b>               | Not applicable    |
| <b>Specific Gravity</b>          | 0.93                 | <b>Evaporation Rate</b> | 0 (BuAc = 1)      |
| <b>Percent Volatile (Volume)</b> | 0                    | <b>VOC Content (%)</b>  | 0                 |
| <b>VOC Content (g/L)</b>         | 0                    | <b>Vapor Pressure</b>   | <0.01 mmHg @ 70°F |
| <b>Vapor Density</b>             | 11.3 (Air = 1.0)     | <b>Solubility</b>       | Negligible        |
| <b>Boiling Point/Range</b>       | 475 °F / 246 °C      |                         |                   |

### 10. STABILITY AND REACTIVITY

#### Chemical Stability

Stable. Hazardous polymerization does not occur.

#### Conditions to Avoid

Extremes of temperature and direct sunlight, Keep away from open flames, hot surfaces, and sources of ignition.

#### Incompatible Products

Strong oxidizing agents, Acids.

#### Hazardous Decomposition Products

Carbon oxides, Sulfur oxides, Oxides of phosphorus.

#### Possibility of Hazardous Reactions

None under normal processing

## 11. TOXICOLOGICAL INFORMATION

Product Information

No information available.

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 <sup>3</sup> ( 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     | 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 |

**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**

D2B Toxic materials



## 16. OTHER INFORMATION

**Prepared By** Adrienne McKee  
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**Issuing Date** 04/18/2014  
**Reason for Revision** No information available.  
**Glossary** No information available.  
**List of References.** No information available.

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