Material Safety Data Sheet

Material Name: Quaker State 4x4 Heavy Duty Multi-Purpose Grease and Wheel Bearing Lubricant

ID: QS-011

*** Section 1 - Chemical Product and Company Identification ***

Product Numbers: 3001509
Chemical Name: Lubricant
Product Use: NA

Manufacturer Information
Quaker State Corporation
225 E. John Carpenter Freeway
Irving, Texas 75062

Phone: (800)562-5928
Emergency # (800)424-9300 CHEMTREC

General Comments
CHEMTREC Emergency telephone number is to be used in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to customer service.

*** Section 2 - Composition / Information on Ingredients ***

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Available</td>
<td>Ethylene Propylene Hydrocarbon Elastomer</td>
<td>5-20</td>
</tr>
<tr>
<td>7620-77-1</td>
<td>Lithium 12-hydroxystearate</td>
<td>5-20</td>
</tr>
<tr>
<td>Not Available</td>
<td>Lithium Carboxylate Soap</td>
<td>1-5</td>
</tr>
<tr>
<td>Not Available</td>
<td>Extreme Pressure Additive (OSHA Non-Hazardous)</td>
<td>1-5</td>
</tr>
<tr>
<td>64742-54-7</td>
<td>Petroleum distillates, hydrotreated heavy paraffinic</td>
<td>Blend</td>
</tr>
<tr>
<td>64742-53-6</td>
<td>Petroleum distillates, hydrotreated light naphthenic</td>
<td>Blend</td>
</tr>
</tbody>
</table>

Component Information/Information on Non-Hazardous Components

The maximum percentage of the petroleum distillate and/or residual oil blend contained in this product is: 88%
Other components are non-hazardous using the criteria established in 29 CFR 1910.1200 (Hazard Communication).

*** Section 3 - Hazards Identification ***

Emergency Overview
This product is a red grease. This product is irritating to the eyes, respiratory system (from oil mists), and skin. Use dry chemical, carbon dioxide or foam to extinguish fire.

Hazard Statements
This product may be irritating to the eyes, skin, and respiratory system. Pulmonary aspiration hazard if swallowed.

Potential Health Effects: Eyes
This product may cause irritation to the eyes. This product can cause prolonged vision impairment, tears, swelling and redness.

Potential Health Effects: Skin
Prolonged or repeated contact with skin may cause mild irritation and possibly dermatitis. If this material is injected beneath the skin, regardless of amount injected, get immediate medical attention. Do not wait for symptoms to develop.

Potential Health Effects: Ingestion
Ingestion of this product may cause nausea, vomiting and diarrhea. Pulmonary aspiration hazard if swallowed.

Potential Health Effects: Inhalation
Inhalation of oil mists or fumes can cause irritation of the nose, throat and upper respiratory tract.

HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0 Pers. Prot.: chemical goggles/gloves
Hazard Scale: 0 = Minimal   1 = Slight   2 = Moderate   3 = Serious   4 = Severe   * = Chronic hazard

*** Section 4 - First Aid Measures ***

First Aid: Eyes
Flush eyes with large amounts of water for 15 minutes. If eyes become inflamed, seek medical advice.
First Aid: Skin
Remove contaminated clothing. Wash affected area with mild soap and water. Launder contaminated clothing before reuse. If leather articles become saturated they should be discarded. If product is injected under the skin, get medical attention immediately. Do not wait for symptoms to develop.

First Aid: Ingestion
Do not induce vomiting unless instructed to do so by a physician. Never give anything by mouth to an unconscious person. Call your local poison control center or get medical attention.

First Aid: Inhalation
Remove to fresh air. If not breathing, give mouth to mouth resuscitation. If inhaled, immediately remove the affected person to fresh air. Call a physician.

First Aid: Notes to Physician
Pulmonary aspiration hazard if swallowed; treat symptomatically. HIGH PRESSURE SKIN INJECTION: Physician must be familiar with local procedures for treatment of this type of wound; incision, irrigation, removal of all necrotic tissue and open wound dressing.

*** Section 5 - Fire Fighting Measures ***

Flash Point: Not available  Method Used: Not available
Upper Flammable Limit (UFL): Not determined  Lower Flammable Limit (LFL): Not determined
Auto Ignition: Not determined  Flammability Classification: Not determined
Rate of Burning: Not determined

General Fire Hazards
KEEP AWAY FROM ALL SOURCES OF IGNITION. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition.

Hazardous Combustion Products
Carbon monoxide, hydrocarbons, and oxides of zinc.

Extinguishing Media
Regular foam, carbon dioxide, or dry chemical are preferred.

Fire Fighting Equipment/Instructions
Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products. Do not point solid water stream directly into burning oil to avoid spreading.

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0 Other:
Hazard Scale: 0 = Minimal  1 = Slight  2 = Moderate  3 = Serious  4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures
Absorb with inert absorbent such as dry clay, sand or diatomaceous earth. Scoop up used absorbent into drums or other appropriate container.

Clean-Up Procedures
Surfaces may become slippery after spillage.

Evacuation Procedures
Isolate area. Keep unnecessary personnel away.

Special Procedures
Wear appropriate protective equipment and clothing during clean-up.

*** Section 7 - Handling and Storage ***

Handling Procedures
Wash hands after handling and before eating. Launder work clothes frequently. Avoid inhalation and skin contact. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or promptly disposed of.
Storage Procedures
Store away from strong oxidizers. Keep the container tightly closed and in a cool, well-ventilated place. Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines
A: General Product Information
If oil mists are generated, observe the OSHA exposure limit of 5 mg/m3.
B: Component Exposure Limits
ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product’s components.

Engineering Controls
Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

PERSONAL PROTECTIVE EQUIPMENT
Personal Protective Equipment: Eyes/Face
Wear chemical goggles or a full face shield.

Personal Protective Equipment: Skin
Use impervious gloves for prolonged contact. Wear resistant gloves such as neoprene or nitrile.

Personal Protective Equipment: Respiratory
Use an organic vapor respirator for concentrations exceeding the Occupational Exposure Limit.

Personal Protective Equipment: General
Use good hygiene when handling petroleum product.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Red
Physical State: Grease
Vapor Pressure: Not available
Boiling Point: Not available
Solubility (H2O): Not available
Freezing Point: Not available
Odor: Not available
pH: Not available
Vapor Density: Not available
Melting Point: Not available
Specific Gravity: 0.89 (water=1)

Physical Properties: Additional Information
None.

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability
Stable

Chemical Stability: Conditions to Avoid
Avoid excessive heat, formation of mists.

Incompatibility
Strong oxidizing agents (peroxides, chlorine, strong acids).

Hazardous Decomposition
At thermal decomposition temperatures carbon monoxide, hydrocarbons, and oxides of zinc.

Hazardous Polymerization
Will not occur.

*** Section 11 - Toxicological Information ***

Acute Toxicity
A: General Product Information
Can destroy tissues if injected beneath the skin. Eye and skin irritant. Pulmonary aspiration hazard.
B: Component Analysis - LD50/LC50
Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)
Oral LD50 Rat: >15 gm/kg
Dermal LD50 Rabbit: >5 gm/kg

Carcinogenicity
A: General Product Information
No data available on the product as a whole.

B: Component Carcinogenicity
None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Epidemiology
No data available for product.

Neurotoxicity
No data available on this product as a whole.

Mutagenicity
No data available on this product as a whole.

Teratogenicity
Ethyl benzene has caused birth defects, affected fertility and been fetotoxic below the TLV in animals.

Other Toxicological Information
This product contains a blend of petroleum distillates and residual oils, all of which have been solvent refined or severely hydrotreated. The petroleum distillate and residual oil blend consists of one or more of the components identified by CAS Number in Section 2. Since these components vary with the availability of materials their presence is noted as "blend".

Ecotoxicity
No information is available on ecotoxicity of this product. Keep product out of sewers and waterways.

Environmental Fate
No information is available.

US EPA Waste Number & Descriptions
A: General Product Information
Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. No components are identified as hazardous wastes.

B: Component Waste Numbers
No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions
Used oil can be returned to a collection center or provided to a licensed recycler. All wastes must be handled in accordance with local, state and federal regulations.

US DOT Information

Shipping Name: Not-regulated
Hazard Class: Not classified
UN/NA #: Not classified
Packing Group: Not classified
Required Label(s): None.
Additional Info.: None.

International Transportation Regulations
Not regulated as dangerous goods.

US Federal Regulations
A: General Product Information
No additional information.
B: Component Analysis

None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>CA</th>
<th>FL</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic</td>
<td>64742-53-6</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Other Regulations

A: General Product Information

This product contains a chemical which is being notified and tracked by its manufacturer as required by the Canadian Environmental Protection Act (CEPA). For compliance with CEPA, this product may be exported into Canada only when the active exporting party participates in the tracking procedure.

B: Component Analysis - Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TSCA</th>
<th>DSL</th>
<th>EINECS</th>
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</table>

C: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

*** Section 16 - Other Information ***

Other Information

This information is, to the best of Quaker State Corporation's knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitableness and completeness of such information for his own particular use.

Key/Legend

N = No; Y = Yes; ppm - parts per million; mg/m³ = milligrams per cubic meter of air; ACGIH = American Conference of Governmental Industrial Hygienists; OSHA = Occupational Safety and Health Administration; TLV = Threshold Limit Value; NIOSH = National Institute of Occupational Safety and Health; NTP = National Toxicology Program; IARC = International Agency for Research on Cancer.

MSDS History

Preparation Information: New MSDS 2/16/1995
Revision 2.0000 (12/16/1997): Section 2 was revised to indicate that the product contains a "blend" of petroleum distillates and/or residual oils and composition was altered to describe additives in the product. Section 11 revised to the nature of the product blend.
Revision (06/05/98): Text correction.

Contact: Vince Bernard, Corporate Safety Director
Contact Phone: (800) 562-5928

This is the end of MSDS # QS-011