



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 ***

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

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.

Material Safety Data Sheet

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

ID: QS-011

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.

Material Safety Data Sheet

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

ID: QS-011

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

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

Material Safety Data Sheet

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

ID: QS-011

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".

*** Section 12 - Ecological Information ***

Ecotoxicity

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

Environmental Fate

No information is available.

*** Section 13 - Disposal Considerations ***

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.

*** Section 14 - Transportation Information ***

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.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

No additional information.

Material Safety Data Sheet

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

ID: QS-011

B: Component Analysis

None of this products 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:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	No	No	Yes	No	No	No

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

Component	CAS #	TSCA	DSL	EINECS
Lithium 12-hydroxystearate	7620-77-1	Yes	Yes	Yes
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	Yes	Yes	Yes
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	Yes	Yes	Yes

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 suitability 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