

Material Safety Data Sheet

Material Name: Lubriguard GL-5 Gear Lubricant SAE 80W90

ID: LBGD-006

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

Part Number: 70 2630 (12/1 Qt); 70 2629 (35 lb.); 70 2653 (4/1 Gal); 70 2606 (400 lb.)

Manufacturer's Part Number: 3-04-30140

Chemical Name: Mixture

Product Use: Automotive Gear Lubricant

Manufacturer Information

Warren Oil

Phone:

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
64742-52-5	Petroleum Distillates, Hydrotreated Heavy Naphthenic	46
Not Available	Olefin Sulfide	< 5
Not Available	Lube Oil Additive with Dialkyl Fumarate/Vinyl Acetate	2
64742-62-7	Residual Oils (petroleum), Solvent Dewaxed	Blend
64742-57-0	Residual Oils (petroleum), Hydrotreated	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: 52%

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication). All mineral oils used in this product have been severely hydrotreated and/or solvent refined. Exact composition of this product will vary with availability of materials. All ingredients listed above may not always be included in final product.

*** Section 3 - Hazards Identification ***

Emergency Overview

Product is a non-flammable petroleum distillate mixture. Irritating and toxic vapors may be released upon combustion of product. Extinguish fire with carbon dioxide, dry chemical, foam or water fog. Oil mists may be irritating to the respiratory system and skin.

Hazard Statements

No information is available.

Potential Health Effects: Eyes

This product may cause irritation to the eyes.

Potential Health Effects: Skin

Prolonged and/or repeated skin contact with this product may cause irritation / dermatitis. Prolonged or repeated contact may result in allergic skin sensitization reactions.

Potential Health Effects: Ingestion

This product is relatively non-toxic by ingestion. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury, possibly death.

Potential Health Effects: Inhalation

Low vapor pressure makes inhalation unlikely at standard temperatures and pressures. Inhalation of oil mists or fumes can cause irritation of the nose, throat and upper respiratory tract. Repeated and prolonged overexposure to oil mists may result in droplet deposition, oil granuloma formation, inflammation and increased incidence of infection.

HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0 Pers. Prot.: Safety glasses, gloves, protective clothing

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

Material Safety Data Sheet

Material Name: Lubriguard GL-5 Gear Lubricant SAE 80W90

ID: LBGD-006

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

First Aid: Eyes

Flush eyes with large amounts of water for 15 minutes. Get medical attention if eye irritation develops or persists.

First Aid: Skin

Remove contaminated clothing. For skin contact, wash immediately with soap and water. Launder contaminated clothing before reuse.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

If affected, remove individual to fresh air. Get medical attention if symptoms persist. If not breathing, give mouth to mouth resuscitation.

First Aid: Notes to Physician

Pulmonary aspiration hazard if swallowed; treat symptomatically.

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

Flash Point: 390 F; 198 C

Upper Flammable Limit (UFL): Not available

Auto Ignition: Not available

Rate of Burning: Not available

General Fire Hazards

Product is a non-flammable petroleum distillate mixture. If product is heated above its flash point it will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. Mists or sprays may be flammable below its normal flash point.

Hazardous Combustion Products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Decomposition of this product may yield oxides of sulfur and nitrogen. Decomposition of this product may yield oxides of phosphorus. Polysiloxane compounds may release silicates and formaldehyde upon decomposition.

Extinguishing Media

Use water spray, dry chemical, foam or carbon dioxide to extinguish the fire. Direct water spray or foam may cause frothing and spattering. Use water to cool fire-exposed containers and to protect personnel. If a leak or spill has not ignited, use water spray to disperse vapors and to flush spills away from exposure.

Fire Fighting Equipment/Instructions

Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

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

Stop the flow of material, if this is without risk.

Clean-Up Procedures

Absorb with non-flammable suitable absorbent such as sand or earth. Scoop up used absorbent into drums or other appropriate container.

Evacuation Procedures

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Special Procedures

Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Surfaces may become slippery after spillage. Wear appropriate protective equipment and clothing during clean-up. Do not allow the spilled product to enter public drainage systems or open water courses.

Material Safety Data Sheet

Material Name: LubriGuard GL-5 Gear Lubricant SAE 80W90

ID: LBGD-006

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

Handling Procedures

Avoid getting this material into contact with your eyes. Avoid prolonged or repeated skin contact with this material. Avoid the generation of oil mists. Wash thoroughly after handling. Use this product with adequate ventilation.

Storage Procedures

Do not store near heat, sparks, open flame or strong oxidizing agents. Do not store this material in open or unlabeled containers. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode.

*** 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

No information is available.

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses. Wear chemical goggles or faceshield if splash or mist occurs.

Personal Protective Equipment: Skin

Use impervious gloves for prolonged contact. Wear oil-impervious garments if contact is unavoidable.

Personal Protective Equipment: Respiratory

If mist is generated (heating, spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist.

Personal Protective Equipment: General

Use good hygiene when handling petroleum product. Launder contaminated clothing before reuse. Excessive misting may cause slippery floors - wear appropriate footwear. Eye wash fountains are recommended.

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

Appearance:	Amber	Odor:	Petroleum
Physical State:	Liquid	pH:	Not available
Vapor Pressure:	Not available	Vapor Density:	Not available
Boiling Point:	Not available	Melting Point:	Not applicable
Solubility (H2O):	Negligible	Specific Gravity:	0.89 @ 60 F
Freezing Point:	Not available	Viscosity:	130 cSt @ 40 C; 13.8 cSt @ 100 C

Physical Properties: Additional Information

Pour Point: -15 F; -26 C

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

Chemical Stability

Stable

Chemical Stability: Conditions to Avoid

Avoid formation of mists.

Incompatibility

This product may react with strong oxidizing agents.

Material Safety Data Sheet

Material Name: Lubriguard GL-5 Gear Lubricant SAE 80W90

ID: LBGD-006

Hazardous Decomposition

Carbon dioxide, carbon monoxide, oxides of sulfur and nitrogen. Decomposition of the product may yield oxides of phosphorous. Polysiloxane compounds may release silicates and formaldehyde upon decomposition.

Hazardous Polymerization

Hazardous polymerization will not occur.

*** Section 11 - Toxicological Information ***

Acute Toxicity

A: General Product Information

No data available on the product as a whole. Based on similar materials, this product is expected to have a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

B: Component Analysis - LD50

No information is available.

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 on the product as a whole.

Neurotoxicity

No data available on the product as a whole.

Mutagenicity

No data available on the product as a whole.

Teratogenicity

No data available on the product as a whole.

Other Toxicological Information

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

*** Section 12 - Ecological Information ***

Ecotoxicity

No information is available on ecotoxicity of this product.

Environmental Fate

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

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

Product as shipped does not meet the definition or characteristics of a hazardous waste.

B: Component Waste Numbers

No information is available.

Disposal Instructions

Do not allow this material to drain into sewers/water supplies. All wastes must be handled in accordance with local, state and federal regulations. Material should be recycled if possible.

*** Section 14 - Transportation Information ***

US DOT Information

Material Safety Data Sheet

Material Name: Lubriguard GL-5 Gear Lubricant SAE 80W90

ID: LBGD-006

Shipping Name: Not Classified as a Hazardous Material

Hazard Class: Not applicable

UN/NA #: Not applicable

Packing Group: Not applicable

Required Label(s): None

Additional Info.: None available

International Transportation Regulations

Not regulated as dangerous goods.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

This product may be classified as an oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act.

Discharges of spills into or leading to surface waters that cause sheen must be reported to the National Response Center. (1-800-424-8802) All known (non-proprietary) components of this product are listed on the US EPA TSCA Inventory.

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.

B: Component Analysis - State

No information is available.

Other Regulations

A: General Product Information

No information available for the product.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Petroleum Distillates, Hydrotreated Heavy Naphthenic	64742-52-5	Yes	Yes	Yes
Residual Oils (petroleum), Hydrotreated	64742-57-0	Yes	Yes	Yes
Residual Oils (petroleum), Solvent Dewaxed	64742-62-7	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

No information is available.

*** Section 16 - Other Information ***

Other Information

This information is, to the best of Warren Oil'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; EPA = Environmental Protection Agency.

MSDS History

Preparation Information: New MSDS 04/18/1997. Revision 2.0000: 11/24/1997.

Revision 2.0000: Section 2 was revised to indicate that the product contains a "blend" of petroleum distillates. Section 11 revised to indicate the nature of the product blend.

Contact:

Contact Phone:

This is the end of MSDS # LBGD-006