

Material Safety Data Sheet

MSDS Part Number: GF4SL1030B

Issue Date: 03/27/07

CHEMTREC – (800) 424-9300

SECTION 1 PRODUCT IDENTIFICATION

MATERIAL IDENTITY: DSL SAE GF4 10W30 MO BULK **PRODUCT CODE:** GF4SL1030B

NAME: Motor Oil **CHEMICAL FAMILY:** Automotive Engine Oil

SUPPLIER ADDRESS: Superior Lubricants Co., Inc, 32 Ward Road, North Tonawanda, New York 14120

SECTION 2 PRODUCT/INGREDIENTS

Hazardous Ingredients This material has no known hazards under applicable laws.

Component Name(s)	CAS Registry No.	Concentration (%)
Distillates, petroleum, hydrotreated heavy paraffinic	64742-54-7	80 – 90 % weight
Petroleum Additives	Proprietary Mixture	10 – 20 % weight

SECTION 3 HAZARDS IDENTIFICATION

Principal Hazards This material has no known health hazards. See Section 11 for complete health hazard information.

SECTION 4 FIRST AID MEASURES

EYES:	Flush eyes with water for 15 minutes lifting upper and lower lids occasionally. Consult physician if irritation or pain persists.
SKIN:	Remove contaminated clothing and shoes. Wash exposed skin with soap and water. Consult physician if irritation or pain persists.
INHALATION: (Breathing)	Move victim to fresh air. Provide respiratory support if necessary. See medical attention immediately.
INGESTION: (Swallowing)	Seek immediate medical attention. Do not induce vomiting unless recommended by physician. If spontaneous vomiting occurs, keep head below hips to avoid aspiration (into lungs).
SPECIAL NOTE TO PHYSICIAN:	In general, lubricating oils have a low oral toxicity.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: 408 °F (Minimum) COC

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames. Do not use a direct stream of water. Product will float and can be reignited on surface of water.

SECTION 5**FIRE FIGHTING MEASURES continued****FIRE FIGHTING PROCEDURES:**

Recommend wearing self-contained breathing apparatus. Water may cause splattering.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Toxic fumes, gases or vapors may evolve on burning.

SECTION 6**ACCIDENTAL RELEASE MEASURES****SPILL PROCEDURES:**

Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

SECTION 7**PREVENTIVE MEASURES**

HANDLING PRECAUTIONS:	Keep away from intense heat, sparks or flame. Avoid contact with eyes, skin, clothing or shoes. Use in well-ventilated area and avoid breathing vapor or mist.
PERSONAL HYGIENE:	Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco products. Clean contaminated clothing, shoes and protective equipment before reuse. Discard contaminated clothing, shoes or protective equipment if they cannot be thoroughly cleaned.
SHIPPING AND STORING PRECAUTIONS:	Keep container tightly closed when not in use and during transport. Store in a cool, dry place. Do not pressurize, cut, heat, weld, grind or expose containers to flame or other sources of ignition. Empty product containers may contain product residue.
SPILL PROCEDURES:	Remove all ignition sources. Stop leak if you can do it without risk. Wear protective equipment specified in section 7, CONTROL MEASURES. Ventilate area and avoid breathing vapor or mist. For large spills, dike far ahead of liquid spill for later disposal. Contain away from surface waters and sewers. Absorb with compatible absorbent material and shovel into closable container for disposal.
WASTE DISPOSAL METHODS:	Dispose in accordance with federal, state, provincial and local regulations.
<u>CONTROL MEASURES</u>	
EYE PROTECTION:	Wear protective eyewear. Do NOT wear contact lenses.
PROTECTIVE GLOVES:	Use Neoprene, Nitrile, PVC or equivalent gloves to prevent contact with skin. Do NOT use natural rubber or equivalent gloves.
RESPIRATORY PROTECTION:	Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limit. A self-contained breathing apparatus (SCBA) and full protective equipment is required for fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134 or in Canada with CSA Standard Z94.4-M1982.
ENGINEERING CONTROLS:	Provide process enclosure or local ventilation needed to maintain concentration of vapor or mist below applicable exposure limits.
OTHER PROTECTIVE EQUIPMENT:	Where spills and splashes are possible, wear appropriate oil-resistant boots, apron or other protective clothing. Clean water should be available in work areas for flushing the eyes and skin.

SECTION 8**PHYSICAL AND CHEMICAL PROPERTIES**

Molecular Weight:	N/A (G/MOLE)
Solubility In Water:	NIL (% by volume)
Autoignition Point:	Not determined
Explosion Data:	Material does not have explosive properties
Vapor Pressure:	Not determined
Specific Gravity:	0.87 (15.6 Deg C)
Water Solubility:	Insoluble
Percent VOC:	<0.0001 (MM HG @ 20°C)
Vapor Density:	Not determined
Evaporation Rate:	1000x slower (ethyl ether=1)
Odor:	Mild petroleum odor
Appearance:	Amber fluid
Viscosity:	10.4 cSt @ 100 °C 67.9 cSt @ 40°C
Odor Threshold:	Not determined

SECTION 10	Boiling Point:	TOXICOLOGICAL INFORMATION continued
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Pour Point Temperature: - 36 °F

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

STABILITY: Stable
CONDITIONS TO AVOID: None known
MATERIALS TO AVOID: Strong oxidizing agents
HAZARDOUS POLYMERIZATION: Will not occur
HAZARDOUS DECOMPOSITION: Combustion will produce carbon monoxide and asphyxiants

FOR THE PRODUCT;

INHALATION: Low acute toxicity

SKIN: Expected to be acutely non-toxic if absorbed. Mild irritation with

SECTION 9	REACTIVITY AND STABILITY
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EYE: Mildly irritating on contact

ORAL: Practically non-toxic

SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL;

INHALATION: Low acute toxicity

SKIN: Practically non-toxic if absorbed may cause moderate irritation with prolonged and repeated contact

SECTION 10	EYE: Minimally irritating on contact	TOXICOLOGICAL INFORMATION
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INGESTION: Practically non-toxic if swallowed

ETHYLENE/PROPYLENE

COPOLYMER: No data available for all routes of exposure

ZINC DIALLYL DITHIO PHOSPHATE:

INHALATION: Toxic hydrogen sulfide is generated when heated above 200 deg. F. This can cause central nervous system (brain) effects, nausea, dizziness, confusion, loss of sense of smell, muscle cramps, in coordination, unconsciousness, coma, respiratory failure, or death.

SKIN: Prolonged or repeated contact may cause moderate irritation, redness, drying, cracking, dermatitis.

EYE: Irritant

ORAL: Harmful if swallowed

BORATED POLYISOBUT ENYL SUCCINIC ANHYDRIDE;

No data available for all routes of exposure

ACRYLIC COPOLYMER:

No data available for all routes of exposure

SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL;**INHALATION:** Low acute toxicity**SKIN:** Practically non-toxic if absorbed may cause moderate irritation with prolonged and repeated contact**EYE:** Minimally irritating on contact**INGESTION:** Practically non-toxic if swallowed**ALKYL DIPHENYLAMINE:** No data available for inhalation or eye contact**SKIN:** Possible allergic reaction**ORAL:** Toxic if swallowed. May cause loss of appetite, diarrhea, & death**POLYBUTENE:** No significant effects by inhalation, skin absorption, or eye contact**ORAL:** Practically nontoxic if swallowed**SECTION 11 ECOLOGICAL INFORMATION****ECOTOXICITY:** The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.**ENVIRONMENTAL FATE:** This material is not expected to be readily biodegradable.**WASTE DISPOSAL:** Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal or recycling methods.**SECTION 12 TRANSPORT INFORMATION****The shipping description below may not represent requirements for all modes of transportation, shipping methods or locations outside of the United States.****DOT PROPER SHIPPING NAME:** Petroleum Lubricating Oil**HAZARD CLASS:** Not regulated**ID NUMBER:** Not regulated**LABEL REQUIRED:** Not-regulated**IMDG PROPER SHIPPING NAME:** No Data**IATA PROPER SHIPPING NAME:** No Data**SECTION 13 OTHER INFORMATION****US NFPA Codes**

Health	Fire	Reactivity	Special
0	1	0	N/E

HMIS Codes

Health	Fire	Reactivity
0	1	0

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.