Section 1: Product & Company Identification

Product Name: GL-4 Multi-Purpose Gear Oil (SAE 140)

Product Number (s): SL24228, SL24238, SL24258

Manufactured By:
CRC Industries, Inc.
885 Louis Drive
Warminster, PA 18974
www.crcindustries.com

General Information (215) 674-4300
Technical Assistance (800) 521-3168
Customer Service (800) 272-8963
24-Hr Emergency (CHEMTREC) (800) 424-9300

Section 2: Hazards Identification

Emergency Overview

Appearance & Odor: Amber liquid, mild odor

As defined by OSHA’s Hazard Communication Standard, this product is non-hazardous.

Potential Health Effects:

EYE: Direct contact irritates slightly with redness and swelling.

SKIN: Slightly irritating. Repeated or prolonged contact can result in drying of the skin.

INHALATION: Oil mist can irritate airways and lungs.

INGESTION: Can cause stomach ache and vomiting. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

CHRONIC EFFECTS: Unknown

TARGET ORGANS: Unknown

Medical Conditions Aggravated by Exposure:

Unknown

See Section 11 for toxicology and carcinogenicity information on product ingredients.
### Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NUMBER</th>
<th>% by Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricant base oil, highly refined</td>
<td>blend</td>
<td>97 - 98</td>
</tr>
<tr>
<td>Gear oil additives</td>
<td>trade secret</td>
<td>2 - 3</td>
</tr>
</tbody>
</table>

### Section 4: First Aid Measures

**Eye Contact:** Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

**Skin Contact:** Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

**Inhalation:** Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

**Ingestion:** Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

**Note to Physicians:** If product is injected into or under the skin, or into any part of the body, the individual should be evaluated immediately as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment with the first few hours may significantly reduce the ultimate extent of injury.

### Section 5: Fire-Fighting Measures

**Flammable Properties:** As defined by OSHA, this product is nonflammable.

- **Flash Point:** > 302 F (PMCC)
- **Autoignition Temperature:** ND
- **Upper Explosive Limit:** ND
- **Lower Explosive Limit:** ND

**Suitable Extinguishing Media:** Foam, dry chemicals, sand, dolomite, carbon dioxide

**Products of Combustion:** Acrid smoke/fumes. Oxides of carbon.

**Protection of Fire-Fighters:** Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

### Section 6: Accidental Release Measures

**Personal Precautions:** Use personal protection recommended in Section 8. Minimize skin contact.

**Environmental Precautions:** Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.
Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

Section 7: Handling and Storage

Handling Procedures: Do not reuse container. Keep container closed when not in use. Ventilate well and avoid breathing vapors. Do not store or mix with strong oxidizers. Avoid strong heating.

Storage Procedures: Store in a cool dry area out of direct sunlight. Keep away from sources of ignition. Store away from strong acids and oxidizers.

Aerosol Storage Level: NA

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
<td>TWA</td>
</tr>
<tr>
<td>Lubricant base oil, highly refined.</td>
<td>5</td>
<td>NE</td>
<td>0.2</td>
</tr>
<tr>
<td>Gear oil additives</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated

Engineering Controls: Area should have ventilation to provide fresh air. Use local exhaust to prevent accumulation of vapors. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal work where adequate ventilation is provided. Use a NIOSH-approved cartridge respirator with organic vapor cartridges if vapors exceed exposure limits. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as Nitrile or PVC. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

Section 9: Physical and Chemical Properties

Physical State: liquid
Color: Amber
Odor: Mild
Specific Gravity: 0.89 – 0.91
**Product Name:** GL-4 Multi-Purpose Gear Oil (SAE 140)  
**Product Number(s):** SL24228, SL24238, SL24258

- **Initial Boiling Point:** ND
- **Freezing Point:** ND
- **Vapor Pressure:** < 1 mmHg @ 68 F
- **Vapor Density:** > 1 (air = 1)
- **Evaporation Rate:** < 1 (ether = 1)
- **Solubility:** Insoluble in water
- **pH:** NA
- **Volatile Organic Compounds:** wt %: 0, g/L: 0, lbs/gal: 0

**Section 10: Stability and Reactivity**

**Stability:** Stable

**Conditions to Avoid:** Sources of ignition

**Incompatible Materials:** Strong acids and oxidizers

**Hazardous Decomposition Products:** Oxides of carbon, sulfur and phosphorus

**Possibility of Hazardous Reactions:** No

**Section 11: Toxicological Information**

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

**ACUTE EFFECTS**

<table>
<thead>
<tr>
<th>Component</th>
<th>Test</th>
<th>Result</th>
<th>Route</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricant base oil</td>
<td>LD50</td>
<td>&gt; 5000</td>
<td>Oral</td>
<td>Rat</td>
</tr>
<tr>
<td>Lubricant base oil</td>
<td>LD50</td>
<td>&gt; 2000</td>
<td>Dermal</td>
<td>Rabbit</td>
</tr>
</tbody>
</table>

**CHRONIC EFFECTS**

Carcinogenicity:

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA:</td>
<td>None listed</td>
</tr>
<tr>
<td>IARC:</td>
<td>None listed</td>
</tr>
<tr>
<td>NTP:</td>
<td>None listed</td>
</tr>
</tbody>
</table>

Mutagenicity: No information available

Other: IARC has determined in reviewing cancer prevalence of exposed workers that the carcinogenic activity of refined oils is related to the severity of processing of the base oil. IARC has determined that solvent refined oils generally do not induce skin tumors since the PAHs are removed. The base oils contained in this product have been highly refined by a variety of processes including solvent extraction, hydrotreating, and dewaxing to remove aromatics, thus reducing its carcinogenic potential.

**Section 12: Ecological Information**
Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: No information available
Persistence / Degradability: No information available
Bioaccumulation / Accumulation: No information available
Mobility in Environment: No information available

**Section 13: Disposal Considerations**

Disposal: This product is not a RCRA hazardous waste as packaged. (See 40 CFR Part 261.20 – 261.33) Used oil should be collected and handled in accordance with 40 CFR Part 279. Used oil that is mixed with hazardous waste may be subject to regulation as hazardous waste.

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

**Section 14: Transport Information**

Proper shipping description:

US DOT (ground): Not regulated.

Special Provisions: None

**Section 15: Regulatory Information**

**U.S. Federal**

**Toxic Substances Control Act (TSCA):**

All ingredients are either listed on the TSCA inventory or are exempt.

**Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):**

Reportable Quantities (RQ’s) exist for the following ingredients: None

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

**Superfund Amendments Reauthorization Act (SARA) Title III:**

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:

- Fire Hazard: No
- Reactive Hazard: No
- Release of Pressure: No
- Acute Health Hazard: No
- Chronic Health Hazard: No

Section 313 Toxic Chemicals:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

None
Clean Air Act:
Section 112 Hazardous Air Pollutants (HAPs): None

State Regulations
California Safe Drinking Water and Toxic Enforcement Act (Prop 65):
This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: None

State Right to Know:
New Jersey: Petroleum Oil, 800962-5222, 800962-5212, 800962-5100, 800962-5889
Pennsylvania: None
Massachusetts: None
Rhode Island: None

Additional Regulatory Information: None

Section 16: Other Information
NFPA: Health: 1 Flammability: 1 Reactivity: 0
HMIS: Health: 1 Flammability: 1 Reactivity: 0 PPE: B

Prepared By: Michelle Rudnick
CRC #: 720120
Revision Date: 11/15/2005
Changes since last revision: NJRTK #’s added to Section 15

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries’ knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS: Chemical Abstract Service
ppm: Parts per Million
TCC: Tag Closed Cup
PMCC: Pensky-Martens Closed Cup
PPE: Personal Protection Equipment
TWA: Time Weighted Average
OSHA: Occupational Safety and Health Administration
ACGIH: American Association of Governmental Industrial Hygienists
NIOSH: National Institute of Occupational Safety & Health
NA: Not Applicable
ND: Not Determined
NE: Not Established
g/L: grams per Liter
l/b/gal: pounds per gallon
STEL: Short Term Exposure Limit
COC: Cleveland Open Cup