# Blue Mountain 75W-90 GL-5 Full Synthetic Gear Lubricant

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

**1.1. Product identifier**

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Blue Mountain 75W-90 GL-5 Full Synthetic Gear Lubricant</td>
</tr>
</tbody>
</table>

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

| Use of the substance/mixture | Gear oil |

**1.3. Details of the supplier of the safety data sheet**

Old World Industries, LLC  
4065 Commercial Ave.  
Northbrook, IL 60062 - USA  
T (847) 559-2000  
www.oldworldind.com

**1.4. Emergency telephone number**

| Emergency number | (800) 424-9300; (703) 527 3887 (International)  
| --- | Chemtrec |

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### SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

GHS-US classification  
Skin Sens. 1  
H317  
Full text of H-phrases: see section 16

**2.2. Label elements**

GHS-US labelling  
Hazard pictograms (GHS-US): ![GHS07]

<table>
<thead>
<tr>
<th>Signal word (GHS-US)</th>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard statements (GHS-US)</td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
</tbody>
</table>
| Precautionary statements (GHS-US) | P261 - Avoid breathing mist, spray, vapors  
P272 - Contaminated work clothing must not be allowed out of the workplace  
P280 - Wear personal protective equipment as required  
P302+P352 - If on skin: Wash with plenty of soap and water  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P501 - Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations |

**2.3. Other hazards**

Other hazards not contributing to the classification: Avoid prolonged or repeated contact with used fluid. 35.92 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

**2.4. Unknown acute toxicity (GHS US)**

No data available

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### SECTION 3: Composition/information on ingredients

**3.1. Substance**

Not applicable

**3.2. Mixture**
# Blue Mountain 75W-90 GL-5 Full Synthetic Gear Lubricant

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% by wt</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blend of highly refined synthetic base stocks &amp; petroleum distillates, hydrotreated heavy paraffinic</td>
<td>(CAS No) 64742-54-7</td>
<td>41 - 75</td>
<td>Acute Tox. 3 (Inhalation:vapor), H331&lt;br&gt;Acute Tox. 4 (Inhalation:vapor), H332</td>
</tr>
<tr>
<td>Alkoxylated long-chain alkyl amine</td>
<td>(CAS No) Confidential</td>
<td>0.1 - 1</td>
<td>Acute Tox. 4 (Oral), H302&lt;br&gt;Acute Tox. 3 (Dermal), H311&lt;br&gt;Acute Tox. 2 (Inhalation), H330&lt;br&gt;Skin Corr. 1B, H314&lt;br&gt;Eye Dam. 1, H318&lt;br&gt;Skin Sens. 1, H317&lt;br&gt;Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<table>
<thead>
<tr>
<th>First-aid measures general</th>
<th>Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-aid measures after inhalation</td>
<td>Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.</td>
</tr>
<tr>
<td>First-aid measures after skin contact</td>
<td>Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.</td>
</tr>
<tr>
<td>First-aid measures after eye contact</td>
<td>Rinse immediately with plenty of water for 15 minutes, lifting lower and upper lids. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.</td>
</tr>
<tr>
<td>First-aid measures after ingestion</td>
<td>Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.</td>
</tr>
</tbody>
</table>

### 4.2. Most important symptoms and effects, both acute and delayed

- **Symptoms/injuries after inhalation**: ON CONTINUOUS EXPOSURE/CONTACT: May cause respiratory irritation.
- **Symptoms/injuries after skin contact**: Contact during a long period may cause slight irritation.
- **Symptoms/injuries after eye contact**: Direct contact with the eyes is likely to be irritating.
- **Symptoms/injuries after ingestion**: Ingestion is likely to be harmful or have adverse effects.

### 4.3. Indication of any immediate medical attention and special treatment needed

Aspiration during swallowing or vomiting may severely damage the lungs. If evacuation of stomach contents is necessary, use method least likely to cause aspiration.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- **Suitable extinguishing media**: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- **Unsuitable extinguishing media**: Do not use a heavy water stream. Will float and can be reignited on water surface.

### 5.2. Special hazards arising from the substance or mixture

- **Fire hazard**: Not flammable. Promotes combustion.
- **Explosion hazard**: Not applicable.
- **Reactivity**: No dangerous reactions known under normal conditions of use.

### 5.3. Advice for firefighters

- **Firefighting instructions**: Cool tanks/drums with water spray/remove them into safety. Fight fire with normal precautions from a reasonable distance. Under fire conditions, hazardous fumes will be present.
- **Protection during firefighting**: Do not enter fire area without proper protective equipment, including respiratory protection.
- **Special protective equipment for fire fighters**: Protective fire fighting clothing (includes fire-fighting helmet, coat, pants, boots and gloves). Wear positive pressure self-contained breathing apparatus (SCBA).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- **Protective equipment**: Use appropriate personal protection equipment (PPE).
- **Emergency procedures**: Evacuate unnecessary personnel.
6.1.2. **For emergency responders**
Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Stop leak if safe to do so. Ventilate area.

6.2. **Environmental precautions**
Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. **Methods and material for containment and cleaning up**
For containment: Contain leaking substance. Plug the leak, cut off the supply. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.

6.4. **Reference to other sections**
No additional information available

**SECTION 7: Handling and storage**
7.1. **Precautions for safe handling**
Precautions for safe handling: Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.
Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

7.2. **Conditions for safe storage, including any incompatibilities**
Technical measures: Comply with applicable regulations.
Storage conditions: Store in a dry place. Store in a well-ventilated place. Keep cool. Keep container closed when not in use. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not store near food, foodstuffs, drugs or potable water supplies.

7.3. **Specific end use(s)**
No additional information available

**SECTION 8: Exposure controls/personal protection**
8.1. **Control parameters**
**Blend of highly refined synthetic base stocks & petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)**

<table>
<thead>
<tr>
<th></th>
<th>ACGIH TWA (mg/m³)</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>5 mg/m³</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

8.2. **Exposure controls**
Appropriate engineering controls: Ensure good ventilation of the work station.
Hand protection: Wear suitable gloves resistant to chemical penetration.
Eye protection: Chemical goggles or safety glasses.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

**SECTION 9: Physical and chemical properties**
9.1. **Information on basic physical and chemical properties**
Physical state: Liquid
Color: amber
Odor: petroleum-like odor
Odor threshold: No data available
Relative evaporation rate (butylacetate=1): No data available
Freezing point: No data available
Boiling point: No data available
Flash point: 193 °C (379 °F) [Method used: Cleveland Open Cup]
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapor pressure: No data available
Relative vapor density at 20 °C: No data available
Specific Gravity: 0.87
Density: 0.87 kg/l (7.24 lbs/gal)
Solubility: Water: Negligible
Log Pow: No data available
Log Kow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: 109.7 cP
Explosive properties: Not applicable.
Oxidizing properties: No data available
Explosive limits: No data available

9.2. Other information
VOC content: 0.00 %

SECTION 10: Stability and reactivity
10.1. Reactivity
No dangerous reactions known under normal conditions of use.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures. Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials
Keep away from strong acids, strong bases and oxidizing agents.

10.6. Hazardous decomposition products
Carbon dioxide. Carbon monoxide. hydrocarbons.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity: Not classified

Blend of highly refined synthetic base stocks & petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5,000.00 mg/kg bodyweight (Rat; OECD 401: Acute Oral Toxicity; Experimental value)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 5,000.00 mg/kg bodyweight (Rabbit; Experimental value; Equivalent or similar to OECD 402)</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 5.53 mg/l/4h (Rat; Experimental value)</td>
</tr>
<tr>
<td>ATE US (vapors)</td>
<td>3.00 mg/l/4h</td>
</tr>
</tbody>
</table>

Alkoxylated long-chain alkyl amine (Confidential)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE US (oral)</td>
<td>500.00 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
<td>300.00 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE US (gases)</td>
<td>100.00 ppmv/4h</td>
</tr>
<tr>
<td>ATE US (vapors)</td>
<td>0.50 mg/l/4h</td>
</tr>
<tr>
<td>ATE US (dust,mist)</td>
<td>0.05 mg/l/4h</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified
Blue Mountain 75W-90 GL-5 Full Synthetic Gear Lubricant
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Respiratory or skin sensitisation | May cause an allergic skin reaction. |
| Germ cell mutagenicity | Not classified |
| Carcinogenicity | Not classified |
| Reproductive toxicity | Not classified |
| Specific target organ toxicity (single exposure) | Not classified |
| Specific target organ toxicity (repeated exposure) | Not classified |
| Aspiration hazard | Not classified |
| Symptoms/injuries after inhalation | ON CONTINUOUS EXPOSURE/CONTACT: May cause respiratory irritation. |
| Symptoms/injuries after skin contact | Contact during a long period may cause slight irritation. |
| Symptoms/injuries after eye contact | Direct contact with the eyes is likely to be irritating. |
| Symptoms/injuries after ingestion | Ingestion is likely to be harmful or have adverse effects. |

SECTION 12: Ecological information

12.1. Toxicity

| Blend of highly refined synthetic base stocks & petroleum distillates, hydrotreated heavy paraffinic (64742-54-7) |
| Threshold limit algae 1 | >= 100 mg/l (72 h; Pseudokirchneriella subcapitata; Cell numbers) |

12.2. Persistence and degradability

| Blend of highly refined synthetic base stocks & petroleum distillates, hydrotreated heavy paraffinic (64742-54-7) |
| Persistence and degradability | Not readily biodegradable in water. Adsorbs into the soil. |

12.3. Bioaccumulative potential

| Blend of highly refined synthetic base stocks & petroleum distillates, hydrotreated heavy paraffinic (64742-54-7) |
| Bioaccumulative potential | No bioaccumulation data available. |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

| Effect on ozone layer | No known effect on the ozone layer |
| Effect on global warming | No known ecological damage caused by this product. No additional information available |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

In accordance with DOT
Not a dangerous good in sense of transport regulations
Other information : No supplementary information available.

ADR
No additional information available

Transport by sea
No additional information available

Air transport
No additional information available
### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

<table>
<thead>
<tr>
<th>Blue Mountain 75W-90 GL-5 Full Synthetic Gear Lubricant</th>
<th>Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA TSCA Regulatory Flag</td>
<td>This product contains or may contain the following chemicals, in the following percentages that are subject to SARA 313 reporting: Methyl methacrylate (CAS # 80-62-6) [0.01 - 0.1%], Ethylene oxide (CAS # 75-21-8) [&lt;10 ppm], 1,4-Dioxane (CAS # 123-91-1) [&lt;10 ppm], Propylene oxide (CAS # 75-56-9) [&lt;10 ppm]</td>
</tr>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
<td>Blend of highly refined synthetic base stocks &amp; petroleum distillates, hydrotreated heavy paraffinic (64742-54-7) Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

#### 15.2. International regulations

**CANADA**

**WHMIS Classification**

Uncontrolled product according to WHMIS classification criteria

<table>
<thead>
<tr>
<th>Blend of highly refined synthetic base stocks &amp; petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)</th>
<th>Listed on the Canadian DSL (Domestic Substances List)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WHMIS Classification</td>
</tr>
</tbody>
</table>

**EU-Regulations**

No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

No additional information available

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

Not classified

**National regulations**

No additional information available

#### 15.3. US State regulations

<table>
<thead>
<tr>
<th>Blue Mountain 75W-90 GL-5 Full Synthetic Gear Lubricant</th>
<th>This product contains or may contain the following chemicals in the percentages listed, which are subject to the California Prop 65 regulation listed: Ethylene oxide (CAS # 75-21-8) [&lt;10 ppm] (California Prop 65 - Cancer), California Prop 65 - Reproductive Male, California Prop 65 - Reproductive female), 1,4-Dioxane (CAS # 123-91-1) [&lt;10 ppm] (California Prop 65 - Cancer), Propylene oxide (CAS # 75-56-9) [&lt;10 ppm] (California Prop 65 - Cancer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - California - Proposition 65 - Other information</td>
<td>This product contains or may contain the following chemicals in the percentages listed, which are subject to the California Prop 65 regulation listed: Ethylene oxide (CAS # 75-21-8) [&lt;10 ppm] (California Prop 65 - Cancer), California Prop 65 - Developmental Toxicity, California Prop 65 - Reproductive Male, California Prop 65 - Reproductive female), 1,4-Dioxane (CAS # 123-91-1) [&lt;10 ppm] (California Prop 65 - Cancer), Propylene oxide (CAS # 75-56-9) [&lt;10 ppm] (California Prop 65 - Cancer),</td>
</tr>
</tbody>
</table>

### SECTION 16: Other information
Blue Mountain 75W-90 GL-5 Full Synthetic Gear Lubricant
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases:

<table>
<thead>
<tr>
<th>Acute Tox. 2 (Inhalation)</th>
<th>Acute toxicity (inhal.), Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 3 (Dermal)</td>
<td>Acute toxicity (dermal), Category 3</td>
</tr>
<tr>
<td>Acute Tox. 3 (Inhalation:vapor)</td>
<td>Acute toxicity (inhalation:vapor) Category 3</td>
</tr>
<tr>
<td>Acute Tox. 4 (Inhalation:vapor)</td>
<td>Acute toxicity (inhalation:vapor) Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral), Category 4</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 2</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation, Category 1</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>Skin corrosion/irritation, Category 1B</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Sensitisation — Skin, category 1</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H330</td>
<td>Fatal if inhaled</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

NFPA health hazard: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard: 1 - Must be preheated before ignition can occur.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating
Health: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given.
Flammability: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 °F (93 °C), (Class IIIB)
Physical: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal Protection: B - Safety glasses, Gloves

SDS GHS US (GHS HazCom 2012) OWI

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