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

### 1.1. Product identifier
- **Product form**: Mixture
- **Product name**: PEAK 75W-140 GL-5 Full Synthetic Gear Lubricant

### 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

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture
- **GHS-US classification**: Not classified

### 2.2. Label elements
- **GHS-US labelling**
  - **Signal word (GHS-US)**: None
  - **Hazard statements (GHS-US)**: None
  - **Precautionary statements (GHS-US)**: P273 - Avoid release to the environment
  
  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**: 17.29 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

### 2.4. Unknown acute toxicity (GHS US)
- **No data available**

## SECTION 3: Composition/information on ingredients

### 3.1. Substance
- **Not applicable**

### 3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% by wt</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polybutene (isobutylene/itane copolymer)</td>
<td>(CAS No) 9003-29-6</td>
<td>0 - 85</td>
<td>Asp. Tox. 1, H504</td>
</tr>
<tr>
<td>DURASYN 168 POLYALPHAOLEFINS</td>
<td>(CAS No) 68037-01-4</td>
<td>0 - 39</td>
<td>Not classified</td>
</tr>
<tr>
<td>distillates (petroleum), hydrotreated heavy naphthenic</td>
<td>(CAS No) 64742-52-5</td>
<td>0 - 10</td>
<td>Not classified</td>
</tr>
<tr>
<td>Phosphorothioic acid, O,O-di-C1-14-alkyl esters, zinc salts</td>
<td>(CAS No) 88649-42-3</td>
<td>0 - 2.7</td>
<td>Skin Irrit. 2, H315, Eye Dam. 1, H318, Aquatic Acute 2, H401, Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

## SECTION 4: First aid measures

### 4.1. Description of first aid measures
- **First-aid measures general**: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- **First-aid measures after inhalation**: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact: 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.

First-aid measures after eye contact: 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.

First-aid measures after ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

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

General measures: Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, spray.

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
PEAK 75W-140 GL-5 Full Synthetic Gear Lubricant
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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
PEAK 75W-140 GL-5 Full Synthetic Gear Lubricant
ACGIH: Not applicable
OSHA: Not applicable

DURASYN 168 POLYALPHAOLEFINS (68037-01-4)
ACGIH: ACGIH TWA (mg/m³) 5 mg/m³
OSHA: Not applicable

8.2. Exposure controls
Appropriate engineering controls: Ensure good ventilation of the work station.
Personal protective equipment: Protective goggles. Gloves.

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: 204 °C (400 °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: 0.85
PEAK 75W-140 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>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>0.85 kg/l (7.09 lbs/gal)</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: Negligible</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified

Polybutene (Isobutylene/utane copolymer) (9003-29-6)

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 10,000.00 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2,000.00 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)</td>
</tr>
<tr>
<td>LC50 inhalation rat (ppm)</td>
<td>&gt; 4,185.00 ppm/4h (Rat; Experimental value)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>LC50 fish 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)</td>
<td>1 - 5 mg/l Exposure time: 96 h - Species: Pimephales promelas [static]</td>
<td>1 - 1.5 mg/l Exposure time: 48 h - Species: Daphnia magna</td>
<td>10 - 35 mg/l Exposure time: 96 h - Species: Pimephales promelas [semi-static]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 Daphnia 1</th>
<th>EC50 Daphnia 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polybutene (Isobutylene/utane copolymer) (9003-29-6)</td>
<td>&gt; 1,000.00 mg/l (96 h; Pisces)</td>
<td>&gt; 100.00 mg/l (48 h; Daphnia magna)</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)</td>
<td>&gt; 19.2 mg/l (72 h; Desmodesmus subspicatus)</td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polybutene (Isobutylene/utane copolymer) (9003-29-6)</td>
<td>Not readily biodegradable in water. Low potential for mobility in soil.</td>
</tr>
<tr>
<td>DURASYN 168 POLYALPHAOLEFINS (68037-01-4)</td>
<td>Biodegradability in water: no data available.</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>BCF other aquatic organisms 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polybutene (Isobutylene/utane copolymer) (9003-29-6)</td>
<td>314 - 1882</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>DURASYN 168 POLYALPHAOLEFINS (68037-01-4)</td>
<td>Potential for bioaccumulation (500 ≤ BCF ≤ 5000).</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effect on ozone layer</td>
<td>No known effect on the ozone layer</td>
</tr>
<tr>
<td>Effect on global warming</td>
<td>No known ecological damage caused by this product.</td>
</tr>
</tbody>
</table>

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

Department of Transportation (DOT)

In accordance with DOT

Not a dangerous good in sense of transport regulations

TDG

Not a dangerous good in sense of transport regulations

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>PEAK 75W-140 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>Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Polybutene (isobutylene/utane copolymer) (9003-29-6)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)</td>
<td>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>Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)</th>
<th>Listed on the Canadian DSL (Domestic Substances List)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Classification</td>
<td>Class D Division 2 Subdivision B - Toxic material causing other toxic effects</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

SECTION 16: Other information
PEAK 75W-140 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>Aquatic Acute 2</th>
<th>Hazardous to the aquatic environment — Acute Hazard, Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 2</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard, Category 1</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation, Category 1</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H401</td>
<td>Toxic to aquatic life</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard: 0 - Materials that will not burn.
NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating
Health: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability: 0 Minimal Hazard - Materials that will not burn
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 w/Supp OEL's

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