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## MATERIAL SAFETY DATA SHEET

### PRODUCT IDENTITY: PEAK<sup>®</sup> PERFORMANCE SAE 80W-90 GL-5 GEAR OIL

#### 1. CHEMICAL PRODUCT & COMPANY INFORMATION

**OLD WORLD INDUSTRIES, LLC**  
**4065 COMMERCIAL AVENUE**  
**NORTHBROOK, ILLINOIS 60062**  
*Phone: (847) 559-2000*  
*Emergency Phone: 1-800-424-9300 (CHEMTREC)*

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<i>Material</i>	<i>CAS #</i>	<i>% by Wt</i>	<i>PEL (OSHA)</i>	<i>TLV (ACGIH)</i>
Petroleum distillates, hydro-treated heavy paraffinic	64742-54-7	40 - 70	No PEL	No TLV
Residual oils, petroleum, solvent-refined	64742-01-4	10 - 30	No PEL	No TLV

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

<i>Mild</i>	<i>Lubricating oils are generally no more than slightly toxic if swallowed.</i>	<i>Lubricating oils are generally considered no more than minimally irritating to the eyes.</i>
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##### Lowest Known LD<sub>50</sub>:

<i>Material</i>	<i>CAS #</i>	<i>Toxicity</i>
Petroleum distillates, hydro-treated heavy paraffinic	64742-54-7	Oral LD50 Rat > 2,000 mg/kg
Residual oils, petroleum, solvent-refined	64742-01-4	Oral LD50 Rat > 5,000 mg/kg
Petroleum distillates, hydro-treated heavy paraffinic	64742-54-7	Dermal LD50 Rabbit > 2 g/kg
Residual oils, petroleum, solvent-refined	64742-01-4	Dermal LD50 Rabbit > 2 g/kg

##### HAZARD RATING SYSTEM

NFPA: HEALTH: 1  
HMIS: HEALTH: 1

FLAMMABILITY: 1  
FLAMMABILITY: 1

REACTIVITY: 0  
REACTIVITY: 0

KEY: 0 - Minimal      1 - Slight      2 - Moderate      3 - Serious      4 - Severe

## ***POTENTIAL HEALTH EFFECTS***

**Routes of Exposure:** Eye contact, Ingestion, Inhalation, Skin contact

**Eye:** Lubricating oils are generally considered no more than minimally irritating to the eyes.

**Skin:** Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.

**Ingestion:** Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

**Inhalation:** Inhalation of vapors (generated at high temperatures only) or oil mist may cause mild irritation of the nose, throat, and respiratory tract.

**Systemic (Other Target Organ) Effects:** Personnel with pre-existing skin disorders should avoid contact with this product., Respiratory disease including asthma and bronchitis

**Cancer Information:** Not a carcinogen according to NTP, IARC, or OSHA.

**Reproductive Effects:** No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

## ***CHRONIC, PROLONGED OR REPEATED EXPOSURE***

**Effects of Repeated Overexposure:** Upon prolonged and/or repeated exposure, no hazard in normal industrial use.

**Other Effects of Overexposure:** No information available.

## ***4. FIRST AID MEASURES***

***Ensure physician has access to this MSDS.***

### ***TREATMENT***

**Eyes:** Use eye wash to remove a chemical from the eye. Flush the affected eye for at least fifteen minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical attention if irritation persists.

**Skin:** Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. If redness, swelling, pain, and/or blisters occur, transport to the nearest medical facility for additional treatment.

**Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen and get medical attention immediately.

**Ingestion:** Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this MSDS.

**Notes to Physician:** No additional first aid information available.

## ***5. FIRE FIGHTING MEASURES***

### **Flammable Properties**

Flash Point: 218°C (424°F)

Flash Point Method: Cleveland Open Cup

Auto-ignition Temperature: No data.

**Flammability Limits-** Percentage of vapor concentration at which product can ignite in presence of spark:

Upper Flammability Limit: Unknown

Lower Flammability Limit: Unknown

**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide, Smoke

**Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

**Fire Fighting Instructions:** Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

**Protective Equipment for Fire Fighters:** Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

## **6. ACCIDENTAL RELEASE MEASURES**

**Protect People:** No health affects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this MSDS.

**Protect the Environment:** Do not flush to sewer.

**Cleanup:** Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of in regular trash as product is not considered a hazardous waste. Used fluid should be disposed of at a recycling center.

## **7. HANDLING AND STORAGE**

**Steps to be Taken in Case Material is Released or Spilled:** See Section 6.

**Other Precautions:** Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not expose to extreme temperatures or flames. Mildly irritating material. Avoid unnecessary exposure.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory Protection:** No respiratory protection required under normal conditions of use.

**Escape:** None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

**Skin Protection:** Where use can result in skin contact, practice good personal hygiene and wear impervious gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Eye Protection:** Wear safety glasses when handling this product if there is a likelihood of contact with eyes.

**Engineering Controls:** No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.

<b>EXPOSURE LIMITS</b>		
<b><u>Component</u></b>	<b><u>Exposure Limits</u></b>	<b><u>Skin Form</u></b>
Petroleum distillates, hydrotreated heavy paraffinic	No TLV	Unknown
Residual oils, petroleum, solvent-refined	No TLV	Unknown
Petroleum distillates, hydrotreated heavy paraffinic	No STL	Unknown
Residual oils, petroleum, solvent-refined	No STL	Unknown
Petroleum distillates, hydrotreated heavy paraffinic	No IDLH	Unknown
Residual oils, petroleum, solvent-refined	No IDLH	Unknown
Petroleum distillates, hydrotreated heavy paraffinic	No STEL	Unknown
Residual oils, petroleum, solvent-refined	No STEL	Unknown
Petroleum distillates, hydrotreated heavy paraffinic	No WEELs STEL	Unknown
Residual oils, petroleum, solvent-refined	No WEELs STEL	Unknown

## **9. PHYSICAL/CHEMICAL PROPERTIES**

<b>Boiling Point:</b>	No data.
<b>Specific Gravity:</b>	0.89
<b>Density:</b>	7.41 Lbs/Gallon
<b>Vapor Pressure:</b>	No data.
<b>Water Solubility:</b>	Negligible; 0-1%
<b>Physical State:</b>	Liquid
<b>Evaporation Rate (BuAc =1):</b>	No data.
<b>% Volatile by Volume:</b>	0.00
<b>Appearance:</b>	Amber
<b>Odor:</b>	Mild
<b>Viscosity:</b>	14.14 cSt @100°C

## **10. STABILITY& REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to Avoid:** Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.

**Incompatibility (Materials to Avoid):** Strong oxidizing agents

**Hazardous Polymerization:** Will not occur.

## **11. TOXICOLOGICAL INFORMATION**

**Skin:** No data.

**Ingestion:** Lubricating oils are generally no more than slightly toxic if swallowed.

**Mutagenicity:** Not known or reported to be mutagenic.

### **ACUTE TOXICITY**

**Peroral:** Oral LD50 Rat > 2,000 mg/kg

**Percutaneous:** Dermal LD50 Rabbit > 2 g/kg

**Inhalation:** Inhalation LC50 (4h) Rat = 2 mg/L

## ***IRRITATION***

**Skin:** Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis. Lubricating oils are generally considered no more than minimally irritating to the skin.

**Eyes:** No data.

## ***SENSITIZATION (ANIMAL AND HUMAN STUDIES)***

No data.

## ***REPRODUCTIVE TOXICOLOGY***

Not known or reported to cause reproductive or developmental toxicity.

## ***CHRONIC TOXICOLOGY AND CARCINOGENICITY***

There are no components that are known or reported to cause cancer.

# ***12. ECOLOGICAL INFORMATION***

## ***ENVIRONMENTAL FATE***

**Mobility & Partitioning:** This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types. Bioconcentration is not expected to occur.

**Degradability & Transformation:** Biodegrades slowly.

**Persistence:** No data.

## ***ECOTOXICITY***

**BOD (% Oxygen Consumption):** No information available.

**Toxicity to Microorganisms:** No information available.

<b>Toxicity to Aquatic Invertebrates:</b>	<b>CAS Number:</b>	<b>Results:</b>
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	48 Hr EC50 Daphnia magna: >1000 mg/L
Residual oils (petroleum), solvent refined	64742-01-4	48 Hr EC50 Daphnia magna: >1000 mg/L
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	48 Hr EC50 Daphnia magna: >1000 mg/L
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	48 Hr EC50 Daphnia magna: >1000 mg/L
<b>Toxicity to Fish:</b>	<b>CAS Number:</b>	<b>Results:</b>
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L
Residual oils (petroleum), solvent refined	64742-01-4	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L

### **13. DISPOSAL CONSIDERATIONS**

**Disposal of Packaging:** Recycle containers whenever possible.

**Disposal Methods:** Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

**Waste Disposal:** Spent or discarded material is non-hazardous according to environmental regulations.

### **14. TRANSPORTATION INFORMATION**

#### **U.S. DEPARTMENT OF TRANSPORTATION**

##### **Non-Bulk**

Not regulated by the US D.O.T.

##### **Bulk**

Not regulated by the US D.O.T.

##### **IATA**

##### **Non-Bulk**

Not regulated by IATA

##### **IMDG**

##### **Non-Bulk**

Not regulated by IMDG

### **15. REGULATORY INFORMATION**

#### ***THIS PRODUCT CONTAINS COMPONENT (S) CITED ON THE FOLLOWING REGULATIONS:***

**Consumer Product Safety Improvement Act of 2008 General Conformity Certification:** This product has been evaluated and certified to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

**United States- TSCA Inventory:** All components of this material are on the US TSCA Inventory or are exempt.

#### **TSCA 12b export notification:**

None Listed.

#### **CERCLA:**

None Listed.

#### **OSHA Hazard Communication Standard:**

Eyes

#### **SARA Title III:**

##### SARA 312-Inventory Reporting:

None Listed.

##### SARA 313- Emission Reporting:

None Listed.

##### SARA 302-Extremely Hazardous Substances:

None Listed.

**State Right-To-Know:**

California – Exposure Limits - Ceilings:  
None Listed.

Director's List of Hazardous Substances:  
None Listed.

Massachusetts Right-To-Know List:  
None Listed.

Minnesota Hazardous Substance List:  
None Listed.

New Jersey Right-To-Know List:  
None Listed.

Pennsylvania Right-To-Know List:  
None Listed.

Rhode Island Hazardous Substance List:  
None Listed.

**Canadian Regulations:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required.

**WHMIS Classification:** Uncontrolled product according to WHMIS classification criteria.

**California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):**  
None Listed.

## ***16. OTHER INFORMATION***

**Contact:** Thomas Cholke

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