

Initial Preparation Date: 04/25/2011
Last Revision Date: 05/14/2012
Effective Date: 10/04/2013

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY: PEAK[®] PERFORMANCE PASSENGER CAR MOTOR OIL SAE 10W-40 SN

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	60 - 90	No PEL	No TLV
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	10 - 30	No PEL	No TLV
Zinc dialkyldithiophosphate	68649-42-3	0.1 - 1	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>Harmful if swallowed. May cause systemic poisoning.</i>	<i>Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.</i>
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Lowest Known LD₅₀:

<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
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	Oral LD50 Rat > 5,000 mg/kg
Petroleum distillates, hydro-treated heavy paraffinic	64742-54-7	Dermal LD50 Rabbit > 2 g/kg
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	Dermal LD50 Rabbit > 5 g/kg

HAZARD RATING SYSTEM

NFPA: HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

HMIS: HEALTH: 2

FLAMMABILITY: 1

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: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

Skin: No absorption hazard in normal industrial use.

Ingestion: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Inhalation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

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

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 to concentrations above permissible exposure limits, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

Other Effects of Overexposure: No information available.

4. FIRST AID MEASURES ***Ensure physician has access to this MSDS.***

TREATMENT

Eyes: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

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: Do not induce vomiting and 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: 204 °C (399 °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. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.

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: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

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. Store in a cool dry place. Store in a tightly closed container. Keep away from heat, sparks and flame. Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Empty containers may retain product residues/ vapors. Use proper bonding and grounding during bulk product transfer. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator. Wear a NIOSH approved respirator if any exposure is possible.

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: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Engineering Controls: No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or using this material should be equipped with an eyewash and safety shower.

EXPOSURE LIMITS

<u>Component</u>	<u>Exposure Limits</u>	<u>Skin Form</u>
Petroleum distillates, hydro-treated heavy paraffinic	No TLV	Unknown
Petroleum distillates, solvent dewaxed heavy paraffinic	No TLV	Unknown
Zinc dialkyldithiophosphate	No TLV	Unknown
Petroleum distillates, hydro-treated heavy paraffinic	No STL	Unknown
Petroleum distillates, solvent dewaxed heavy paraffinic	No STL	Unknown
Zinc dialkyldithiophosphate	No STL	Unknown
Petroleum distillates, hydro-treated heavy paraffinic	No IDLH	Unknown
Petroleum distillates, solvent dewaxed heavy paraffinic	No IDLH	Unknown
Zinc dialkyldithiophosphate	No IDLH	Unknown
Petroleum distillates, hydro-treated heavy paraffinic	No STEL	Unknown
Petroleum distillates, solvent dewaxed heavy paraffinic	No STEL	Unknown
Zinc dialkyldithiophosphate	No STEL	Unknown
Petroleum distillates, hydro-treated heavy paraffinic	No WEELs STEL	Unknown
Petroleum distillates, solvent dewaxed heavy paraffinic	No WEELs STEL	Unknown
Zinc dialkyldithiophosphate	No WEELs STEL	Unknown

9. PHYSICAL/CHEMICAL PROPERTIES

Boiling Point:	No data.
Specific Gravity:	0.87
Density:	7.27 Lbs/Gallon
Vapor Pressure:	No data.
Water Solubility:	Negligible; 0-1%
Physical State:	Liquid
Evaporation Rate (BuAc =1):	No data.
% Volatile by Volume:	0.00
Appearance:	Brown
Odor:	Mild
Viscosity:	14.32 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. Contamination.

Incompatibility (Materials to Avoid): Strong oxidizing agents, Chlorine

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Skin: No data.

Ingestion: Harmful if swallowed. May cause systemic poisoning.

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 moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

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. Bio-concentration 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.

Toxicity to Aquatic Invertebrates:	CAS Number:	Results:
Petroleum distillates, hydro-treated heavy paraffinic	64742-54-7	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
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	48 Hr EC50 Daphnia magna: 1 - 1.5 mg/L
2,6-Di-tert-butyl-p-cresol	128-37-0	72 Hr EC50 Pseudokirchneriella subcapitata: 6 mg/L; 72 Hr EC50 Desmodesmus subspicatus: >0.42 mg/L

Toxicity to Fish:	CAS Number:	Results:
Petroleum distillates, hydro-treated heavy paraffinic	64742-54-7	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	96 Hr LC50 Pimephales promelas: 1.0-5.0 mg/L [static]; 96 Hr LC50 Pimephales promelas: 10.0-35.0 mg/L [semi-static]

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, Respiratory Tract, Skin, Lungs

