



# PEAK Original Equipment Technology Power Steering Fluid for Asian Vehicles

## Safety Data Sheet

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

Revision date: 10/16/2019

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : PEAK Original Equipment Technology Power Steering Fluid for Asian Vehicles

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

Use of the substance/mixture : Power steering fluid

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

Old World Industries, LLC  
3100 Sanders Road  
Northbrook, IL 60062 - USA  
T (847) 559-2000  
[www.oldworldind.com](http://www.oldworldind.com)

#### 1.4. Emergency telephone number

Emergency number : 800 424 9300 (United States); 00 1 703 527 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) : None

#### 2.3. Other hazards

No additional information available

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

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	% by wt	GHS-US classification
hydrocarbon polymer	(CAS-No.) Confidential	30 - 40	Not classified
mineral oil	(CAS-No.) 64742-54-7	30 - 40	Not classified
mineral oil	(CAS-No.) 64742-55-8	1 - 5	Not classified
mineral oil*	(CAS-No.) mixture	1 - 5	Not classified
substituted hydrocarbyl sulfide	(CAS-No.) confidential	0.5 - 1	Not classified
long chain hydroxyalkylamine	(CAS-No.) confidential	0.1 - 0.5	Not classified

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Comments : \*The mineral oil contained may be described by one or more of the following:64742-54-7, 64742-65-0, 64742-55-8, and 64742-56-9

Full text of hazard classes and H-statements : see section 16

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### 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. If eye irritation persists: Get medical advice and attention.
- First-aid measures after ingestion : Rinse mouth. If you feel unwell, seek medical advice.

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

- Symptoms/effects after inhalation : Vapor inhalation and/or skin absorption can cause central nervous system effects, including dizziness, light-headedness, headache, nausea and loss of coordination.
- Symptoms/effects after skin contact : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Cracking of the skin. Redness. Swelling of the skin.
- Symptoms/effects after eye contact : Vapors may cause painful eye irritation.
- Symptoms/effects after ingestion : Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in severe injury to the lungs or even death. May cause irritation to the digestive tract.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide. Dry chemical. Foam. Water spray.
- 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

- Reactivity : No data available.

#### 5.3. Special protective equipment and precautions for fire-fighters

- 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.
- Other information : Wear positive pressure self-contained breathing apparatus (SCBA). Protective fire fighting clothing (includes fire-fighting helmet, coat, pants, boots and gloves).

### 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 released product. Plug the leak, cut off the supply. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

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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.

Incompatible materials : Strong oxidizing agents.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>hydrocarbon polymer (Confidential)</b>		
Not applicable		
<b>mineral oil (64742-54-7)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (Mineral oil, pure, highly and severely refined; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> Mist - US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (01 2017)
OSHA	OSHA PEL (Ceiling) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> Mist - US OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> Mist - US NIOSH: Pocket Guide to Chemical Hazards, as amended (2016)
NIOSH	NIOSH REL (ceiling) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> Mist - US NIOSH: Pocket Guide to Chemical Hazards, as amended (2016)
<b>mineral oil (64742-55-8)</b>		
Not applicable		
<b>mineral oil* (mixture)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 Mineral oil - Inhalable fraction. [US. ACGIH Threshold Limit Values (02 2012)]
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 Mineral oil - Mist. [US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)]
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	5 Mineral oil - Mist. [US. NIOSH: Pocket Guide to Chemical Hazards (2010)]
NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	10 Mineral oil - Mist. [US. NIOSH: Pocket Guide to Chemical Hazards (2010)]
<b>substituted hydrocarbyl sulfide (confidential)</b>		
Not applicable		
<b>long chain hydroxyalkylamine (confidential)</b>		
Not applicable		

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### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Protective goggles. Gloves.

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. Neoprene or nitrile rubber gloves

#### 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	: Light 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	: 175 °C (347 °F) [Pensky-Martens Closed 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	: 0.828 - 0.868 @ 15.6 °C (60.1 °F)
Density	: 0.85 kg/l 7.06 lbs/gal @ 15.6 °C (60.1 °F)
Solubility	: Water: Negligible
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 54.2 mm <sup>2</sup> /s @ 40 °C (104 °F), 10.9 mm <sup>2</sup> /s @ 100 °C (212 °F)
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available.
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

#### 10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. hydrocarbons. smoke.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

mineral oil (64742-54-7)	
LD50 oral rat	> 5000 mg/kg bodyweight (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Rabbit; Experimental value; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	> 5.53 mg/l/4h (Rat; Experimental value)

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

\*This product contains mineral oils which are severely refined and not considered carcinogenic. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/effects after inhalation : Vapor inhalation and/or skin absorption can cause central nervous system effects, including dizziness, light-headedness, headache, nausea and loss of coordination.

Symptoms/effects after skin contact : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Cracking of the skin. Redness. Swelling of the skin.

Symptoms/effects after eye contact : Vapors may cause painful eye irritation.

Symptoms/effects after ingestion : Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in severe injury to the lungs or even death. May cause irritation to the digestive tract.

### SECTION 12: Ecological information

#### 12.1. Toxicity

hydrocarbon polymer (Confidential)	
LC50 fish 1	> 1,000.00 mg/l Rainbow Trout 4 h
LC50 other aquatic organisms 1	> 1,000.00 mg/l Green algae (Scenedesmus quadricauda) 3 h

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<b>hydrocarbon polymer (Confidential)</b>	
EC50 Daphnia 1	> 1,000.00 mg/l Daphnia magna 2 d
EC50 Daphnia 2	> 125.00 mg/l Daphnia magna 21 d
NOEC (acute)	> 1,000.00 Green algae (Scenedesmus quadricauda) 3 h
NOEC (chronic)	125.00 mg/l Daphnia magna 21 d

<b>mineral oil (64742-54-7)</b>	
LC50 fish 1	> 100.00 mg/l (LL50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Static system; Fresh water; Experimental value)
Threshold limit algae 1	>= 100 mg/l (NOEL; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)

<b>mineral oil* (mixture)</b>	
LC50 fish 1	> 100.00 mg/l (Fathead Minnow, 4 d)
EC50 Daphnia 1	> 10,000.00 mg/l (Water flea (Daphnia magna), 2 d)
EC50 other aquatic organisms 1	> 100.00 mg/l (Green algae (Scenedesmus quadricauda), 3 Days)
EC50 Daphnia 2	> 10.00 mg/l (Water flea (Daphnia magna), 21 d)
NOEC (chronic)	> 10.00 mg/l (Water flea (Daphnia magna), 21 d)

<b>substituted hydrocarbyl sulfide (confidential)</b>	
LC50 fish 1	> 0.75 mg/l (Rainbow Trout, 4 d)
EC50 Daphnia 1	0.58 mg/l (Water flea (Daphnia magna), 2 d):
EC50 other aquatic organisms 1	> 100.00 mg/l (Green algae (Scenedesmus quadricauda), 4 d):
EC50 Daphnia 2	0.75 mg/l (Water flea (Daphnia magna), 21 d):
EC50 other aquatic organisms 2	> 10,000.00 (Sludge, 0.1 d):
NOEC (acute)	0.56 mg/l (Rainbow Trout, 4 d); 0.32 mg/l (Water flea (Daphnia magna), 2 d); 100 mg/l (Green algae (Scenedesmus quadricauda), 4 d):

### 12.2. Persistence and degradability

<b>hydrocarbon polymer (Confidential)</b>	
Persistence and degradability	<b>Test:</b> OECD TG 301 D <b>Result:</b> 2 %, 28 d, Not readily degradable.

<b>mineral oil (64742-54-7)</b>	
Persistence and degradability	Not readily biodegradable in water. Adsorbs into the soil.

<b>mineral oil* (mixture)</b>	
Persistence and degradability	<b>Test:</b> OECD TG 301 B <b>Result:</b> 31 %, 28 d, Not readily degradable.

<b>substituted hydrocarbyl sulfide (confidential)</b>	
Persistence and degradability	<b>Test:</b> OECD TG 301 F <b>Result:</b> 5.9 %, 28 d, Not readily degradable.

### 12.3. Bioaccumulative potential

<b>hydrocarbon polymer (Confidential)</b>	
Log Kow	> 6.50 20 °C (Measured)

<b>mineral oil (64742-54-7)</b>	
Bioaccumulative potential	No bioaccumulation data available.

<b>substituted hydrocarbyl sulfide (confidential)</b>	
Log Kow	5.70 (Measured)

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the ozone layer	: No known effect on the ozone layer
Effect on global warming	: No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging 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 regulated

#### Transportation of Dangerous Goods

Refer to current TDG Canada for further Canadian regulations

#### Transport by sea

In accordance with IMDG / IMO

Not regulated

#### Air transport

In accordance with IATA / ICAO

Not regulated

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

PEAK Original Equipment Technology Power Steering Fluid for Asian Vehicles	
EPA TSCA Regulatory Flag	Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed
CERCLA RQ	5000 lb(s) n-Butyl alcohol (CAS # 71-36-3); 5,000 lb(s) phosphoric acid (CAS # 7664-38-2)
RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb(s) n-Butyl alcohol (CAS # 71-36-3); 5,000 lb(s) phosphoric acid (CAS # 7664-38-2)
SARA Section 311/312 Hazard Classes	Refer to Section 2 for the OSHA hazard classification

#### mineral oil (64742-55-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

##### CANADA

#### PEAK Original Equipment Technology Power Steering Fluid for Asian Vehicles

WHMIS Classification	This SDS has been prepared according to the criteria of the Hazardous Products Regulations (HPR) (WHMIS 2015) and the SDS contains all of the information required by the HPR. Applicable GHS information is listed in section 2.2 of this SDS.
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#### 15.3. US State regulations

 **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### mineral oil (64742-55-8)

U.S. - Massachusetts - Right To Know List

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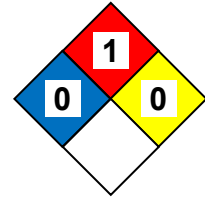
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### SECTION 16: Other information

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NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.  
NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.  
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



SDS GHS US (GHS HazCom 2012) OWI

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