



# Safety Data Sheet

Issue Date 12-June-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Synthetic Gear Oil

### Other means of identification

**SDS #** 7777-010

**Product Technology**

75W-90 GI-5

PRODUCT CODE: 89032

### Recommended use of the chemical and restrictions on use

**Recommended Use** Automotive gear oils.

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

#### **Supplier Address**

Petra Oil Company  
6100 West by Northwest Blvd. Ste. 190  
Houston, TX 77040

### Emergency Telephone Number

**Emergency Telephone (24 hr)** CHEMTREC 1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

**Appearance** Clear brown liquid

**Physical State** Liquid

**Odor** Petroleum-like

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	weight-%
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	75-90
Additive Package	Proprietary	10-25

## 4. FIRST-AID MEASURES

### First Aid Measures

#### **Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation occurs.

<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Get medical attention if irritation occurs.
<b>Inhalation</b>	If symptomatic, move to fresh air. Get medical attention if irritation occurs.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Get medical attention if irritation occurs.

**Most important symptoms and effects**

<b>Symptoms</b>	Mild eye, skin, and/or respiratory irritation. May cause discomfort if swallowed.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Water spray (fog).

**Unsuitable Extinguishing Media** Water jet.

**Specific hazards arising from the chemical**

Not determined.

**Hazardous Combustion Products** Smoke, fumes or vapors, and oxides of carbon. Aldehydes. Oxides of sulfur. Nitrogen oxides (NO<sub>x</sub>). Phosphorus oxides. Metal oxide/oxides.

**Sensitivity to Mechanical Impact** Not impact sensitive.

**Sensitivity to Static Discharge** Not sensitive.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Use personal protective equipment as required.
<b>Other Information</b>	Immediately contact emergency personnel.
<b>Environmental Precautions</b>	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. The National Response Center (NRC) can be reached at 1-800-424-8802.

**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Small spill: Cover with a non-combustible material and remove to approved disposal container. For large spills, dike far ahead of spill for later disposal. Prevent runoff to storm sewers and ditches leading to natural waterways.
<b>Methods for Cleaning Up</b>	Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Use only with adequate ventilation. Wash face, hands, and any exposed skin thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Empty containers may contain harmful, flammable/combustible or explosive vapors/residue. Do not cut, drill, grind, or weld on or near this container; residual vapors may ignite.

**Incompatible Materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** The following information is given as general guidance

### Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** No special technical protective measures are necessary. Use chemical safety goggles if contact is likely.

**Skin and Body Protection** No special technical protective measures are necessary. Avoid contact with skin.

**Respiratory Protection** No protection is ordinarily required under normal conditions of use and with adequate ventilation.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Petroleum-like
<b>Appearance</b>	Clear brown liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	brown		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	Not determined		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	Not determined		
Flash Point	> 204 °C / > 400 °F		Pensky-Martens Closed Cup (PMCC)
Evaporation Rate	Not determined		
Flammability (solid, gas)	Not determined		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Relative Density (Specific Gravity)	0.89-0.91		(1=Water)
Water Solubility	negligible		
Solubility in other solvents	Not determined		

<b>Partition Coefficient</b>	Not determined
<b>Autoignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

Contact with incompatible materials. Excessive heat and fire.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Smoke, fumes or vapors, and oxides of carbon. Aldehydes. Oxides of sulfur. Nitrogen oxides (NOx). Phosphorous oxides. Metal oxide fume.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

#### **Eye Contact**

Avoid contact with eyes.

#### **Skin Contact**

Avoid contact with skin.

#### **Inhalation**

Avoid breathing vapors or mists.

#### **Ingestion**

Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
AdditivePackage	> 90 mL/kg ( Rat )	-	-

### Information on physical, chemical and toxicological effects

#### **Symptoms**

Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity**

This product contains petroleum based oils which are severely refined. These oils have NOT been classified as a carcinogen by any of the reporting agencies. During use in engines, contamination of oil with low levels of cancer-causing combustion products may occur.

Chemical Name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	A2	Group 1		X

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

**Persistence/Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Not determined

**Other adverse effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

<b>Note</b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b>DOT</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG</b>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Listed
<b>DSL</b>	Complies
<b>EINECS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

#### **Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

### US Federal Regulations

#### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### US State Regulations

#### U.S. State Right-to-Know Regulations

Not determined

<b>16. OTHER INFORMATION</b>
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<b>NFPA</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	0	1	0	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	1	0	Not determined

<b>Issue Date</b>	14-Oct-2011
<b>Revision Date:</b>	10-Jun-2013
<b>Revision Note</b>	New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**