



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-140 GI-5 PRODUCT CODE: 814032

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.

Skin Contact	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.
Inhalation	If symptomatic, move to fresh air. Get medical attention if irritation occurs.
Ingestion	Do not induce vomiting without medical advice. Get medical attention if irritation occurs.

Most important symptoms and effects

Symptoms	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

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Carbon dioxide (CO₂). 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_x). 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**

Personal Precautions	Use personal protective equipment as required.
Other Information	Immediately contact emergency personnel.
Environmental Precautions	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

Methods for Containment	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.
Methods for Cleaning Up	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

Physical State	Liquid	Odor	Petroleum-like
Appearance	Clear brown liquid	Odor Threshold	Not determined
Color	brown		
Property	Values	Remarks • Method	
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		

Partition Coefficient	Not determined
Autoignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	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

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

15. REGULATORY INFORMATION

International Inventories

TSCA	Listed
DSL	Complies
EINECS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	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

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	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

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	0	1	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	1	0	Not determined

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Revision Note 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