

SAFETY DATA SHEET

US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 06-Jun-2024

Revision Date 06-Jun-2024

Revision Number 1

1. Identification

Product identifier

Product Name

Other means of identification

Product Code(s)

Synonyms Gear oil, Drivetrain Fluids

Recommended use of the chemical and restrictions on use

Recommended use Drivetrain fluid

Restrictions on use No information available

Details of the supplier of the safety data sheet

Manufacturer Address

Pinnacle Oil Holdings, LLC.
8175-B Allison Ave.
Indianapolis, IN 46268
317-875-9465
www.pinnoil.com

E-mail

Emergency telephone number

Emergency telephone CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. Hazard(s) identification

Classification

Skin sensitization	Category 1
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Label elements

Warning

Hazard statements

May cause an allergic skin reaction.



Precautionary Statements - Prevention

Avoid breathing vapors or mists.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.

Precautionary Statements - Response**Skin**

IF ON SKIN: Wash with plenty of water and soap.
If skin irritation or rash occurs: Get medical advice and attention.
Wash contaminated clothing before reuse.

Precautionary Statements - Disposal

Dispose of contents and container to an approved waste disposal plant.

Other information

May be harmful in contact with skin. Causes mild skin irritation. Harmful to aquatic life with long lasting effects.

3. Composition/information on ingredients**Substance**

Not applicable.

Mixture**Synonyms**

Gear oil, Drivetrain Fluids

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1	<= 82.75	-	-
Distillates, petroleum, hydrotreated heavy paraffinic	64742-54-7	2.0 - 77.3	-	-
1-Decene, homopolymer, hydrogenated	68037-01-4	<= 44.70	-	-
Hydrocarbon polymer	PROPRIETARY	9.0 - 12.2	-	-
Hexanedioic acid, ditridecyl ester	16958-92-2	<= 5.0	-	-
ESTEREX™ A41 - nonhaz	-	<= 5.0	-	-
1-Propene, 2-methyl-, sulfurized	68511-50-2	3.6 - 4.4	-	-
Phosphoric acid, dipentyl ester	3138-42-9	0.08 - 0.24	-	-
Amines, C12-14-tert-alkyl	68955-53-3	0.08 - 0.24	-	-
2-Propenoic acid, 2-methyl-, dodecyl ester, homopolymer	25719-52-2	0.04 - 0.21	-	-
Oleylamine	112-90-3	0.08 - 0.2	-	-
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	0.03 - 0.18	-	-
Phosphoric acid, monopentyl ester	2382-76-5	0.08 - 0.16	-	-

4. First-aid measures**Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air.

Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.
Skin contact	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms	Itching. Rashes. Hives. Prolonged contact may cause redness and irritation.
Effects of Exposure	None known.

Indication of any immediate medical attention and special treatment needed

Note to physicians	May cause sensitization in susceptible persons. Treat symptomatically.
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5. Fire-fighting measures

Suitable Extinguishing Media	Dry chemical, CO ₂ , water spray or regular foam.
Unsuitable extinguishing media	High volume water jet.
Specific hazards arising from the chemical	Product is or contains a sensitizer. May cause sensitization by skin contact.
Hazardous combustion products	Carbon oxides.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid breathing vapors or mists.
Other information	Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment	Stop leak if you can do it without risk. Move containers from spill area.
Methods for cleaning up	Wash spillages into an effluent treatment plant or proceed as follows: Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

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. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Protect from direct sunlight. Store away from incompatible materials. Keep away from food, drink and animal feeding stuffs. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls/personal protection**Control parameters****Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls**Engineering controls**

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear safety glasses with side shields (or goggles).

Hand protection

Wear suitable gloves.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls

Prevent entry into waterways, sewers, basements or confined areas.

General hygiene considerations

Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wash hands before eating, drinking or smoking.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Appearance	Clear, bright liquid
Physical state	Liquid
Color	Light amber
Odor	Mild Petroleum
Odor threshold	No information available

Property
pH

Values

Remarks • Method
No data available

Melting point / freezing point		No data available
Initial boiling point and boiling range		No data available
Flash point	> 195 °C / > 383.0 °F	
Evaporation rate		No data available
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Vapor pressure	< 0.1 mmHg	@ 20 °C
Relative vapor density		No data available
Relative density	0.84 - 0.86	
Water solubility	Insoluble	
Solubility(ies)		No data available
Partition coefficient		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity	80 - 150 cSt	@ 40 °C
Dynamic viscosity		No data available
<u>Other information</u>		
Explosive properties	No information available.	
Oxidizing properties	No information available.	
Softening point	No information available	
Molecular weight	No information available	
VOC content	No information available	
Liquid Density	No information available	
Bulk density	No information available	

10. Stability and reactivity

Reactivity	None under normal use conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Incompatible materials.
Incompatible materials	Oxidizing materials.
Hazardous decomposition products	Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available. Contact with eyes may cause irritation.
Skin contact	Specific test data for the substance or mixture is not available. Causes mild skin irritation. May be harmful in contact with skin. May cause sensitization by skin contact. (based on components). Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. Prolonged contact may cause redness and irritation.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (dermal) > 2,000 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h
Distillates, petroleum, hydrotreated heavy paraffinic	> 15 g/kg (Rat)	> 5000 mg/kg (Rabbit)	-
1-Decene, homopolymer, hydrogenated	-	-	> 5.2 mg/L (Rat) 4 h
Hexanedioic acid, ditridecyl ester	-	> 5000 mg/kg (Rabbit)	> 3.2 mg/L (Rat) 4 h
1-Propene, 2-methyl-, sulfurized	= 5700 mg/kg (Rat)	-	> 0.39 mg/L (Rat) 4 h
Amines, C12-14-tert-alkyl	= 300 mg/kg (Rat)	-	-
Oleylamine	= 1689 mg/kg (Rat)	-	-
Distillates (petroleum), solvent-refined heavy paraffinic	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 5530 mg/m ³ (Rat) 4 h

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

Skin corrosion/irritation Classification based on data available for ingredients. Causes mild skin irritation.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity No information available.

Carcinogenicity Based on available data, the classification criteria are not met. The classification listed below for the petroleum distillates in this product pertains to those that contain more than 3% DMSO extract as measured by IP 346. The petroleum distillates in this product do not meet that criteria to be classified as carcinogens.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Distillates, petroleum, hydrotreated heavy paraffinic 64742-54-7	A2	Group 1	Known	X
Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4	A2	Group 1	Known	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
NTP (National Toxicology Program)
 Known - Known Carcinogen
Occupational Safety and Health Administration of the US Department of Labor
 X - Present

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based 72623-87-1	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)
Distillates, petroleum, hydrotreated heavy paraffinic 64742-54-7	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)
1-Propene, 2-methyl-, sulfurized 68511-50-2	-	LC50: 250 - 500mg/L (96h, Pimephales promelas) LC50: <1000mg/L (96h, Pimephales promelas)	-	EC50: >1000mg/L (48h, Daphnia magna)
Amines, C12-14-tert-alkyl 68955-53-3	-	LC50: =1.3mg/L (96h, Oncorhynchus mykiss)	-	-
Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)

Persistence and degradability No information available.

Bioaccumulation No information available.

Chemical name	Partition coefficient
1-Decene, homopolymer, hydrogenated 68037-01-4	6.5

Other adverse effects No information available.

13. Disposal considerations

Disposal methods

Waste from residues/unused products Dispose of in accordance with local regulations, Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT	Not regulated
TDG	Not regulated
IATA	Not regulated
IMDG	Not regulated
Marine pollutant	M
EmS-No.	

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

Contact supplier for inventory compliance status

Chemical name	CAS No.	Inventory Listing Status	Commercial Activity Designation
Oleylamine	112-90-3	Present	Active

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA	Health hazards 2	Flammability 1	Instability 0	Special hazards -
HMIS	Health hazards 2	Flammability 1	Physical hazards 0	Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend

SVHC: Substances of Very High Concern for Authorization:
 PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
 vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
 STOT: Specific Target Organ Toxicity
 ATE: Acute Toxicity Estimate
 LC50: 50% Lethal Concentration
 LD50: 50% Lethal Dose

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation
+	Sensitizers		

Key literature references and sources for data used to compile the SDS

U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 Environmental Protection Agency
 Acute Exposure Guideline Level(s) (AEGl(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 U.S. National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

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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