

Safety Data Sheet

Issue Date: 12-Feb-2021

Review Date: 21-Feb-2022

Version 1

1. IDENTIFICATION

Product Identifier

Product Name

Purus PurTrax Heavy Duty Synthetic Transmission Fluid

Other means of identification

SDS

LUB042, 17097, PHD17097, PHD27097, PHD37097, PHD57097

Synonyms

Recommended use of the chemical and restrictions on use

Recommended Use

Heavy Duty Automatic Transmission Fluid for use where a fluid meeting Allison Transmission TES-668 specification is recommended.

Details of the supplier of the safety data sheet

Supplier Address

Warren Oil Company, LLC
915 E. Jefferson Ave.
West Memphis, AR 72301

Manufactured For:

AIOD
PO Box 1861
Montrose, CO 81402 800/313-2463
www.purusproducts.com

Emergency Telephone Number

Company Phone Number

1-870-428-9284

Emergency Telephone (24 hr) CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other Hazards

None known.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Concentration (% w/w)
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Base oil – unspecified	72623-86-0	70 - 90

Distillates (petroleum), hydrotreated light paraffinic; Base oil – unspecified	64742-55-8	1 - 5
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Base oil – unspecified	72623-87-1	1 - 5
Bis (nonylphenyl)amine	36878-20-3	1 - 5
Alkyl Phosphites		0.1 - 1

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

- Eye Contact** Remove contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
- Skin Contact** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Inhalation** Move to fresh air. If not breathing, give artificial respiration and/or oxygen may be necessary. Seek medical attention.
- Ingestion** Rinse mouth with water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Seek medical advice.

Most important symptoms and effects

- Symptoms** None known.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

- Unsuitable Extinguishing Media** Not determined.

Specific Hazards During firefighting

Cool closed containers exposed to fire with water spray.

- Hazardous Combustion Products** Carbon Oxides (CO, CO2), nitrogen oxides (NOx), hydrocarbons, smoke and irritating vapors as products of incomplete combustion.

Protective equipment and precautions for firefighters

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal Precautions** Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions. Mark the contaminated area with signs and prevent access to unauthorized personnel. Only qualified personnel equipped with suitable protective equipment may intervene.

Environmental Precautions If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Remove all sources of ignition. Soak up with inert absorbent material. Non-sparking tools should be used. Ensure adequate ventilation. Contact the proper local authorities.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Keep away from heat and sources of ignition. Keep container closed when not in use.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. To maintain product quality, do not store in heat or direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value Type (form of exposure)	Control Parameters / Permissible Concentration	Basis
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Base oil – unspecified	72623-86-0	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
Distillates (petroleum), hydrotreated light paraffinic; Base oil – unspecified	64742-55-8	STEL (Mist)	10 mg m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		STEL (Mist)	10 mg/m3	NIOSH REL

Components	CAS-No.	Value Type (form of exposure)	Control Parameters / Permissible Concentration	Basis
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Base oil – unspecified	72623-87-1	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		STEL (Mist)	10 mg/m3	NIOSH REL

Engineering Measures

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal Protective Equipment
Respiratory Protection**

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Filter Type

Organic vapor filter

Hand Protection Material

Neoprene, nitrile, polyvinyl alcohol (PVA), Viton (R).

Remarks

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if risk assessment indicates this is necessary.

Eye Protection

Wear face shield and protective suit for abnormal processing problems.

Skin and Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Protective Measures

Wash face and hands before breaks and immediately after handling the product. Wash contaminated clothing before re-use.

Hygiene Measures

Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid at room temperature
Appearance Viscous liquid
Color Red

<u>Property</u>	<u>Values</u>	<u>Remarks/Methods</u>
pH	Not determined	
Pour point	-54° C (-65° F)	
Boiling point/boiling range	Not determined	
Flash point	214° C (417° F)	Method: Cleveland open cup
Fire point	243° C (469° F)	
Evaporation rate	Not determined	
Flammability		Remarks: Low fire hazard.This material must be heated before

ignition will occur.

Auto-Ignition Temperature	Not determined
Upper explosion limit/ Upper flammability limit	Not determined
Lower explosion limit/ Lower flammability limit	Not determined
Vapor pressure	Not determined
Relative vapor density	Not determined
Relative density	Not determined
Density	0.846 kg/l (60°F / 15.6°C)
Water solubility	Insoluble
Partition coefficient: n octanol/water	Not determined
Viscosity, kinematic	34.8 cSt (40° C / 104° F) 7.0 cSt (100° C / 212° F)

Explosive properties

Remarks: Do not pressurize, cut, weld, braze, solder, drill, grind, or expose to heat or sources of ignition.

10. STABILITY AND REACTIVITY

Possibility of Hazardous Reactions

Hazardous polymerization does not occur. Stable under normal conditions.

Conditions to Avoid

No data available

Incompatible Materials

Reactive with strong oxidizing agents.

Hazardous Decomposition Products

May release COx, H2S, smoke and irritating vapors when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Inhalation	Do not inhale.
Ingestion	Do not ingest.

Component Information

Component	Acute Oral Toxicity	Acute Inhalation Toxicity	Acute Dermal Toxicity
Lubricating Oils (petroleum), C15-30 hydrotreated oil-based; Base oil - unspecified	LD50 (Rat): > 5,000 mg/kg	LC50 (Rat): > 5.2 mg/l Exposure time: 4h Test atmosphere: dust/mist	LLD50 (Rabbit): > 2,000 mg/kg

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

Carcinogenicity 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.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Daphnia and other aquatic invertebrates	Toxicity to Microorganisms
Lubricating Oils (Petroleum), C15-30, hydrotreated neutral oil-based; Base oil - unspecified	No data available	No data available	No data available	No data available

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.

IATA-DGR

Not regulated as a dangerous good

IMDG -Code

Not regulated as a dangerous good

49 CFR

Not regulated as a dangerous good

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Lubricating Oils (petroleum), C15-30 hydrotreated oil-based; Base oil - unspecified	Present	Present	X	X	X	Present	X	X	X

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*
- AICS - Australian Inventory of Chemical Substances*

US State Regulations

California Proposition 65

This product contains chemical(s) known to the state of California to cause cancer and/or to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. The chemicals include: Benzene 71-43-2

U.S. State Right-to-Know Regulations

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

16. OTHER INFORMATION

Further Information

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



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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