

Safety Data Sheet

Issue Date: 25-Nov-2019

Review Date: 26-Nov-2019

Version 1

1. IDENTIFICATION

Product Identifier

Product Name PURUS VI-S HEAVY DUTY SAE 75W-80 TRANSMISSION FLUID

Other means of identification

SDS # WUI086

Recommended use of the chemical and restrictions on use

Recommended Use Lubricating Oil

Details of the supplier of the safety data sheet

Supplier Address

Warren Oil Company
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 1-800-428-9284

Emergency Telephone (24 hr) Chemtrec 1-800-424-9300 (North America) 1-703-527-3887 (International)

2. HAZARDS IDENTIFICATION

GHS Classification

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

GHS Label Elements

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

Other Hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is defined as a mixture.

Hazardous Components

Chemical Name	CAS #	Classification	Concentration (%)
POLYOLEFIN PHOSPHORIC ACID ESTER		Skin Irrit. 2; H315	<5

4. FIRST-AID MEASURES

General Advice

No hazards which require special first aid measures.

If Inhaled

If breathed in, move person to fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

In Case of Skin Contact

Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. Wash contaminated clothing before re-use.

In Case of Eye Contact	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If Swallowed	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most Important Symptoms and Effects, Both Acute and Delayed	No symptoms known or expected.
Notes to Physician	No hazards which require special first aid measures.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, foam, carbon dioxide (co2), dry chemical.
Unsuitable Extinguishing Media:	High volume water jet.
Specific hazards during firefighting:	Do not allow run-off from firefighting to enter drains or water courses.
Hazardous Combustion Products:	Carbon Dioxide and Carbon Monoxide, Oxides of phosphorus.
Specific Extinguishing Methods:	Product is compatible with standard fire-fighting agents.
Further Information:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special Protective Equipment for Firefighters:	In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Person Precautions, Protective Equipment and Emergency Procedures:**
 Use personal protective equipment. Persons not wearing protective equipment should be excluded form area of spill until clean-up has been completed.
- Environmental Precautions:**
 Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains, inform respective authorities.
- Methods and Materials for Containment and Cleaning Up:**
 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.
- Other Information:**
 Comply with all applicable federal, state and local regulations.

7. HANDLING AND STORAGE

Advice on Safe Handling:

Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.

Conditions for Safe Storage:

Keep container tightly closed in a dry and well-ventilated place. Containers which are open must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with Workplace Control Parameters

Contains no substances with occupational exposure limit values.

Hazardous Components without Workplace Control Parameters

Components	CAS-No.
Polyolefin Phosphoric Acid Ester	

Engineering Measures:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal Protective Equipment

Hand Protection Measures: Nitrile rubber butyl-rubber. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye Protection: Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and Body Protection: Wear as appropriate: Impervious clothing, safety shoes, choose body protection according to the amount and concentration of the dangerous substance at the work place. Wear resistant gloves (consult your safety equipment supplier).

Hygiene Measures: Wash hands before breaks and at the end of the workday. When using do not eat or drink. When using do not smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Red
Odor:	No data available
Odor Threshold:	No data available
pH:	No data available
Pour point:	<-54° F / -48° C
Boiling point/boiling range:	No data available
Flash point:	428° F / 220° C
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor pressure:	No data available
Relative vapor density:	No data available
Relative Density:	No data available

Density: 0.861 g/cm³

Solubility(ies)	
Water solubility:	No data available
Solubility in other solvents	No data available
Partition coefficient:	No data available
n-octanol/water	
Thermal decomposition:	No data available
Viscosity:	
Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
Oxidizing Properties	No data available

10. STABILITY AND REACTIVITY

Reactivity:	No decomposition if stored and applied as directed.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	Product will not undergo hazardous polymerization.
Conditions to Avoid:	None known.
Incompatible materials:	None known.
Hazardous decomposition Products:	Carbon dioxide and carbon monoxide, Oxides of phosphorus.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation, Skin Contact, Eye Contact, Ingestion

Acute Toxicity

Not classified based on available information.

Product: Acute oral toxicity: LD50: > 5,000mg/kg

Skin Corrosion/Irritation

Not classified based on available information.

Components: Polyolefin Phosphoric Acid Ester:

Result: Irritating to skin.

Serious Eye Damage/Eye Irritation

Not classified based on available information.

Product: Vapors may cause irritation to the eyes, respiratory system and the skin.

Components: Polyolefin Phosphoric Acid Ester:

Result: Slight, transient irritation.

Respiratory or Skin Sensitization

Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Germ cell mutagenicity: Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT – Single exposure

Not classified based on available information.

STOT – Repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further Information:

Product: No data available.

Carcinogenicity:

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 identified as a carcinogen or potential carcinogen by OSHA.

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.

12. ECOLOGICAL INFORMATION

Ecotoxicity**Product:**

Toxicity to Fish: LC50: 10 – 100 mg/l

Toxicity to Bacteria: EC0: 10 – 100 mg/l

Ecotoxicity Assessment Acute Aquatic Toxicity: Acute aquatic toxicity Category 3; Harmful to aquatic life.

Chronic aquatic toxicity: Chronic aquatic toxicity Category 3; Harmful to aquatic life with long lasting effects.

Persistence and degradability**Product:**

Biodegradability: Remarks: Not readily biodegradable. No data available.

Biodegradation: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

Product:

Additional Ecological Information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

General Advice: The product should not be allowed to enter drains, water courses or the soil. Do not combine ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated Packaging: Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

International Transport Regulations

Regulation

ID Number	Proper Shipping Name	*Hazard Class	Subsidiary Hazards	Packing Group	Marine Pollutant / LTD. QTY.
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U.S. DOT – ROAD
Not dangerous goods

CFR_RAIL_C
Not dangerous goods

U.S. DOT – INLAND WATERWAYS
Not dangerous goods

TDG_ROAD_C
Not dangerous goods

TDG_RAIL_C
Not dangerous goods

TDG_INWT_C
Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS
Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION – CARGO
Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION – PASSENGER
Not dangerous goods

MX_DG
Not dangerous goods

***ORM=ORM-D, CBL=COMBUSTIBLE LIQUID**

Marine Pollutant
No

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

EPCRA – Emergency planning and Community Right-to-Know Act

CERCLA REPORTABLE QUANTITY

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity.

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

No SARA hazards

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The Components of this product are reported in the following inventories:

DSL: All components of this product are on the Canadian DSL.

AICS: On the inventory, or in compliance with the inventory

ENCS: Not in compliance with the inventory

KECI: Not in compliance with the inventory

PICCS: Not in compliance with the inventory

IECSC: On the inventory, or in compliance with the inventory

TSCA: On TSCA inventory

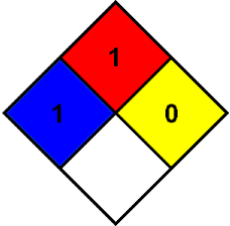
Inventories:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), IHSL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

16. OTHER INFORMATION

Further Information

Revision Date: 11/26/2019

<p>NFPA:</p> 	<p>HMIS III:</p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: blue; color: white;">HEALTH</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: red; color: white;">FLAMMABILITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: yellow;">PHYSICAL HAZARD</td> <td style="text-align: center;">0</td> </tr> </table> <p>0 = not significant, 1= slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic</p>	HEALTH	0	FLAMMABILITY	1	PHYSICAL HAZARD	0
HEALTH	0						
FLAMMABILITY	1						
PHYSICAL HAZARD	0						

NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB.

H315: Causes skin irritation.

List of abbreviations and acronyms used in this safety data sheet

CAS: Chemical Abstract Service (Division of the American Chemical Society)

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

H-Statement: Hazard Statement

LCxx: Lethal Concentration, for xx percent of test population

LDxx: Lethal Dose, for xx percent of test population

ECxx: Effective Concentration of xx

STOT: Specific Target Organ Toxicity

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

DOT: Department of Transportation

NFPA: National Fire Protection Association

OSHA: Occupational Safety and Health Administration

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

Updates made in accordance with implementation of GHS requirements.

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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