

# Safety Data Sheet

Issue Date: 17-Jan-2017

Revision Date: 02-July-2018

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** PURUS SAE 40 Synthetic Heavy Duty Manual Transmission Fluid

### Other means of identification

**SDS #** 035, PHD17221, PHD27221, PHD37221, PHD57221

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

**Recommended Use** Lubricants

### 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 81402-1861 800- 313-2463  
[www.purusproducts.com](http://www.purusproducts.com)

### Emergency Telephone Number

**Company Phone Number** 1-800-428-9284  
**Emergency Telephone (24 hr)** CHEMTREC 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### **Classification of the product**

Aquatic Acute	3	Hazardous to the aquatic environment – acute
Aquatic Chronic	3	Hazardous to the aquatic environment – chronic

#### **Label elements**

##### **Hazard Statement:**

H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

##### **Precautionary Statements (Prevention):**

P273	Avoid release to the environment.
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##### **Precautionary Statements (Disposal):**

P501	Dispose of contents/container in accordance with local regulations.
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#### **Hazards not otherwise classified**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture..

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
90-30-2	>= 0.1 - < 0.2%	1-Naphthalenamine, N-phenyl-
128-39-2	>= 0.0 - < 1.0%	2,6-di-ter-butyl phenol
10294-56-1	>= 0.0 - < 1.0%	Phosphorous acid
80939-62-4	>= 1.0 - < 3.0%	Amines, C11-14-branched alkyl, monohexly and dihexyl phosphates

**4. FIRST-AID MEASURES**

**Description of first aid measures**

**General advice:**

Remove contaminated clothing.

**If inhaled:**

Keep patient calm, remove to fresh air; seek medical attention.

**If on skin:**

Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. If irritation develops, seek medical attention.

**If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If irritation develops, seek medical attention.

**If swallowed:**

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

**Most important symptoms and effects, both acute and delayed**

Symptoms: The most important known symptoms and effects are described in the labeling (see Section 2) and/or in Section 11.

Further important symptoms and effects are so far not known.

Hazards: No applicable information available.

**Indication of any immediate medical attention and special treatment needed**

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media**

Suitable extinguishing media:

Water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:

Water jet

**Special hazards arising from the substance or mixture**

Hazards during fire-fighting:

Harmful vapors

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire

**Advice for fire-fighters**

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

**Further information:**

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing. Keep people away and stay on the upwind side. Breathing protection required.

**Environmental precautions**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

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

The product in undamaged packing need not be stored separately.

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

No occupational exposure limits known.

**Advice on system design:**

No applicable information available.

**Personal protective equipment**

**Respiratory protection:**

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator.

**Hand protection**

Chemical resistant protective gloves

**Eye protection**

Safety glasses with side-shields

**Body protection**

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

**General safety and hygiene measures:**

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form:</b>	Liquid	
<b>Odor:</b>	Faint specific odor	
<b>Odor threshold:</b>	No applicable information available	
<b>Color:</b>	Light amber	
<b>pH value:</b>	Not applicable	
<b>Melting point:</b>	No applicable information available	
<b>Boiling point:</b>	No applicable information available	
<b>Sublimation point:</b>	No applicable information available	
<b>Flash point:</b>	238 °C	
<b>Flammability:</b>	Not flammable	
<b>Lower explosion limit:</b>	For liquids not relevant for classification and labeling. The lower explosion point may be 5 – 15 °C below the flash point.	
<b>Upper explosion limit:</b>	For liquids not relevant for classification and labeling.	
<b>Vapor pressure:</b>	The product has not been tested.	
<b>Density:</b>	0.850 g/cm <sup>3</sup> ( 15.6°C)	(ISO 2811-3)
<b>Relative density:</b>	No applicable information available	
<b>Vapor density:</b>	No applicable information available	
<b>Partitioning coefficient n-octanol/ water (log Pow):</b>	No applicable information available	
<b>Self-ignition temperature:</b>	Not self-igniting	
<b>Thermal decomposition:</b>	No applicable information available	
<b>Viscosity, dynamic:</b>	No applicable information available	
<b>Viscosity, kinematic:</b>	95.1 mm <sup>2</sup> /s ( 40 °C)	(ASTM D445)
<b>Solubility in water:</b>	Not soluble	
<b>Solubility (quantitative):</b>	No applicable information available	
<b>Solubility (qualitative):</b>	Soluble	
<b>Evaporation rate:</b>	Solvent(s): aliphatic hydrocarbons No applicable information available	
<b>Other information:</b>	If necessary, information on other physical and chemical parameters is indicated in this section.	

**10. STABILITY AND REACTIVITY**

**Reactivity**

No applicable information available.

Corrosion to metals:  
No corrosive effect on metal

Oxidizing properties:  
Not fire-propagating

**Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

**Possibility of hazardous reactions**

No hazardous reactions when stored and handled according to instructions.  
The product is chemically stable.

**Conditions to avoid**

No special precautions other than good housekeeping of chemicals.

**Incompatible materials**

Strong oxidizing agents, strong bases, strong acids

**Hazardous decomposition products**

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No applicable information available.

**11. TOXICOLOGICAL INFORMATION**

**Primary routes of exposure**

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

**Acute Toxicity/Effects**

Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

Inhalation

No applicable information available.

Dermal

No applicable information available

Assessment other acute effects

No applicable information available.

Irritation / corrosion

Assessment of irritating effects: May cause slight irritation. Based on available Data, the classification criteria are not met.

Skin

Species: rabbit

Result: non-irritant

Eye

Species: rabbit

Result: non-irritant

Sensitization

Assessment of sensitization: A sensitizing effect on particularly sensitive individuals cannot be excluded.

Aspiration Hazard

No aspiration hazard expected.

**Chronic Toxicity/Effects**

Repeated dose toxicity

Assessment of repeated dose toxicity: None known.

Genetic toxicity

Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.

Carcinogenicity

Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect. None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

Reproductive toxicity

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

Other Information

The product has not been tested. The statement has been derived from the properties of the individual components.

**Symptoms of Exposure**

The most important known symptoms and effects are described in the labeling (see Section 2) and/or in Section 11. Further important symptoms and effects are so far not known.

**12. ECOLOGICAL INFORMATION**

**Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O)

Study scientifically not justified.

**Bioaccumulative potential**

Assessment bioaccumulation potential

Study scientifically not justified.

**Mobility in soil**

Assessment transport between environmental compartments

No data available.

**Additional information**

Other ecotoxicological advice:

The product has not been tested. The statement has been derived from the properties of the individual components.

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

**Container disposal:**

Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

**14. TRANSPORT INFORMATION**

**Land transport**

USDOT

Not classified as a dangerous good under transport regulations.

**Sea transport**

IMDG

Not classified as a dangerous good under transport regulations.

**Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations.

**15. REGULATORY INFORMATION**

**Federal Regulations**

**Registration status:**

Chemical TSCA, US Released / listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS Section 2 for GHS hazard classes applicable for this product.

**Safe Drinking Water & Toxic Environment Act, CA Prop. 65:**

**⚠️ WARNING:** This product can expose you to chemicals including ANILINE, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**NPFA Hazard codes;**

Health: 1 Fire: 1 Reactivity: 0 Special:

**HMIS III rating**

Health: 1 Flammability: 1 Physical hazard: 0

**16. OTHER INFORMATION**

**Issue Date:** 17-Jan-2017

**Revision Date:** 02-July-2018

**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**