

# Safety Data Sheet

Issue Date: 20-Apr-2012

Revision Date: 21-June-2018

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Purus SAE 75W-90 Heavy Duty Synthetic Gear Oil

### Other means of identification

**SDS #** LUB-006, 17166, PHD57166, PHD37166, PHD27166, PHD17166

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

### 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****CAS Number**

90-30-2

**Weight %**

&gt;= 0.3 - &lt; 1.0%

**Chemical name**

1-Naphthalenamine, N-phenyl-

**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/fire-fighting 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 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

No applicable information available.

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

Storage stability:

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

The packed product is not damaged by low temperatures or by frost.

The packed product will not be damaged by high temperatures.

## 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 based on level of activity and exposure.

#### General safety and hygiene measures:

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

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid	
Odor:	Pungent odor	
Odor threshold:	No applicable information available.	
Color:	Amber	
pH value:	Insoluble	
Melting point:	Not determined	
Boiling point:	>200 °C	
Sublimation point:	No applicable information available.	
Flash point:	215 °C	(ASTM D92)
Flammability:	Not flammable	
Lower explosion limit:	For liquids not relevant for classification and labeling. The lower explosion point may be 5 – 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labeling.	
Autoignition:	Not determined	
Vapor pressure:	The product has not been tested.	
Density:	0.886 g/cm <sup>3</sup> ( 15.6 °C ) 0.850 g/cm <sup>3</sup> ( 55 °C ) 0.883 g/cm <sup>3</sup> ( 20 °C )	
Vapor density:	No data available.	
Partitioning coefficient n-octanol/water (log Pow):	Study scientifically not justified.	
Self-ignition temperature:	Not self-igniting	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	<= 100,000.00 mPa*s ( -40.0 °C )	(ASTM D2983)
Viscosity, kinematic:	14.50 – 15.50 mm <sup>2</sup> /s ( 100 °C )	(ASTM D445)
Solubility in water:	Insoluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Other information:	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

Minimum ignition energy:

No data available.

Reactions with water/air:	Reaction with:	Water
	Flammable gases:	No
	Toxic gases:	No
	Corrosive gases:	No
	Smoke or fog:	No
	Peroxides:	No
	Reaction with:	Air
	Flammable gases:	No
	Toxic gases:	No
	Corrosive gases:	No
	Smoke or fog:	No
	Peroxides:	No

**Chemical stability**

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

Peroxides: 0.000%  
The product does not contain peroxides.

**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:**

Oxidizing agents

**Hazardous decomposition products**

Decomposition products:

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

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

## 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.

Primary routes of entry

Dermal contact.

Eyes.

Inhalation.

**Acute Toxicity/Effects**Acute toxicity

Assessment of acute toxicity: Of low toxicity after single ingestion.

Oral

Type of value: LD50  
Species: Rat  
Value: >2,000 mg/kg

Inhalation

Not determined

Dermal

Not determined

Assessment other acute effects

No applicable information available.

Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

Skin

Species: Rabbit  
Result: Non-irritant

Eyes

Species: Rabbit  
Result: Non-irritant

Sensitization

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

Aspiration Hazard

Not data available.

**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.

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 statements on toxicology have 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 Section 11.  
Further important symptoms and effects are so far not known.

## 12. ECOLOGICAL INFORMATION

**Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Toxicity to fish

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LC50 > 10 – 100 mg/l

**Microorganisms/Effect on activated sludge**Toxicity to microorganisms

EC0: > 100 mg/l

**Persistence and degradability**Assessment biodegradation and elimination (H2O)

This product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

**Bioaccumulative potential**Bioaccumulation potential

No data available.

**Mobility in soil**Assessment transport between environmental compartments

No data available.

**Additional information**

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have 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.

IATA/ICAO

Not classified as a dangerous good under transport regulations

### 15. REGULATORY INFORMATION

**Federal Regulations****Regulation status:**


Chemical

TSCA, US released / listed

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

**Safe Drinking Water & Toxic Enforcement 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, and TOLUENE, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**NFPA Hazard codes:**

Health: 1                      Fire: 1                      Reactivity: 0                      Special:

**HMIS III rating:**

Health: 1                      Flammability: 1                      Physical hazard: 0 (Essentially no hazard)

<b>16. OTHER INFORMATION</b>
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**Issue Date:** 20-Apr-2012  
**Revision Date:** 21-June-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**