

# Safety Data Sheet

Issue Date: 20-Apr-2012

Review Date: 04-Jan-2022

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Purus SAE 80W-140 Heavy Duty Synthetic Gear Oil

### Other means of identification

**SDS #** LUB007, 17165, PHD17165, PHD57165, PHD37165, PHD27165

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

**Recommended Use** Lubricants

### Details of the supplier of the safety data sheet

<b>Supplier Address</b>	<b>Manufactured For:</b>
Warren Oil Company, LLC	AIOD Headquarters
915 E. Jefferson Ave.	203 West Main Street
West Memphis, AR 72301	Montrose, CO 81401 970 249 6336 www.purusproducts.com

### Emergency Telephone Number

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

## 2. HAZARDS IDENTIFICATION

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

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

No need for classification according to GHS criteria for this product.

#### **Label elements**

The product does not require a hazard warning label in accordance with GHS criteria.

#### **Hazards not otherwise classified**

No specific dangers known, if the regulations/notes for storage and handling are considered.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Chemical Name	CAS Number	Content (W/W)	Synonym
Polysulfides, di-tert-butyl	68937-96-2	>=3.0 - <7.0%	No data available

## 4. FIRST-AID MEASURES

### **Description of first aid measures**

#### **General advice:**

Remove contaminated clothing.

#### **If inhaled:**

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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, consult an eye specialist.

**If swallowed:**

Rinse mouth and then drink plenty of water. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting due to aspiration hazard. Seek medical attention.

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

**Symptoms:** No data available.

**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.  
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. Protective coverall and/or impermeable apron and boots as necessary.

**General safety and hygiene measures:**

No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form:	Liquid	
Odor:	Sulfer like	
Odor threshold:	Not determined	
Color:	Amber to brown	
pH value:	Insoluble	
Melting point:	Not determined	
Freezing point:	No applicable information available.	
Boiling point:	200 °C	
Sublimation point:	No applicable information available.	
Flash point:	220 °C	(ASTM D92)
Flammability:	Hardly Combustible	(derived from flash point)
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 labelling.	

Autoignition:	Not determined	
Vapor pressure:	The product has not been tested.	
Density:	0.893 g/cm <sup>3</sup> (15.6°C)	(ASTM D4052)
Vapor density:	No applicable information available.	
Relative density:	No applicable information 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	Not determined	
Viscosity, kinematic:	Approx. 284.4 mm <sup>2</sup> /s (40°C)	(ASTM D445)
	approx.. 28.7 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.	
Molar mass:	No applicable information available.	
Evaporation rate:	Not determined	
Other information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

## 10. STABILITY AND REACTIVITY

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

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 decomposition if stored and handled as prescribed/indicated.

## 11. TOXICOLOGICAL INFORMATION

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**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**Acute toxicity

Assessment of acute toxicity: Based on available Data, the classification criteria are not met.

Oral

No applicable information available.

Inhalation

No applicable information available.

Dermal

No applicable information available.

Assessment other acute effects

Based on available data, the classification criteria are not met.

Irritation / corrosion

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

Sensitization

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

## Bueher Test

Species: guinea pig

Result: Non-sensitizing

Method: OECD Guideline 406

Test conducted with a similar formulation.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aspiration Hazard

Not aspiration hazard expected.

**Chronic Toxicity/Effects**Repeated dose toxicity

Assessment of repeated dose toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

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.

Teratogenicity

Assessment of teratogenicity. Based on available data, the classification criteria are not met.

Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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**12. ECOLOGICAL INFORMATION**

**Toxicity**

Aquatic toxicity  
Assessment of aquatic toxicity:  
There is a high probability that the product is not acutely harmful to aquatic organisms.

**Persistence and degradability**

Assessment biodegradation and elimination (H20)  
This product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

**Bioaccumulative potential**

Assessment Bioaccumulation potential  
The product contains components with potential for bioaccumulation.  
Discharge into the environment must be avoided.

**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.

**Air transport**  
IATA/ICAO  
Not classified as a dangerous good under transport regulations


**15. REGULATORY INFORMATION**

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**Federal Regulations****Regulation 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 Enforcement Act, CA Prop. 65:**

 **WARNING:** This product can expose you to chemicals including BENZENE, which is known to the State of California to cause cancer and 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

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**16. OTHER INFORMATION**

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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**