



Safety Data Sheet

Issue Date: 08-Jul-2019

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Version 1

1. IDENTIFICATION

Product Identifier

Product Name PURUS Full Synthetic SAE SW-30 CK-4 Diesel Engine Oil

Other means of identification

SDS # LUB040

Recommended use of the chemical and restrictions on use

Recommended Use Diesel engine oil.

Details of the supplier of the safety data sheet

Supplier Address

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

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

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Other hazards

Harmful to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1	65-70
Petroleum distillates, solvent dewaxed heavy paraffinic	54742-65-0	<10
Zinc alkyl dithiophosphate	113706-15-3	<5
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	<1
Paraffin oils, petroleum, catalytic dewaxed heavy	64742-70-7	<1
Tetrapropenylphenol	74499-35-7	<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

Description of first aid measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed.

Symptoms	May be harmful in contact with skin.
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Indication of any immediate medical attention and special treatment needed.

Notes to Physician	Treat symptomatically.
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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 Arising from the Chemical

Not determined.

Explosion Data

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required.
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Environmental precautions

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage is safe to do so.
Methods for Clean-Up	Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines This product as supplied does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protections Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Not determined
Appearance	Not determined
Color	Not determined
Odor	Not determined
Odor Threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	Not determined	
Melting point / freezing point	Not determined	
Boiling point / boiling range	Not determined	
Flash point	210° C / 410° F	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air	Not determined	
Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	0.856	
Water Solubility	Negligible	
Partition Coefficient	Not determined	
Autoignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure**Product Information**

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based 72623-87-1	>5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	=2.18 mg/L (Rat) 4h
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0	>15000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	> 2400 mg/m ³ (Rat) 4h
Paraffin Oils, petroleum, catalytic dewaxed heavy 64742-70-7	>15000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	-
Petroleum distillates, hydrotreated Heavy paraffinic 64742-54-7	>15g/kg (Rat)	>5000 mg/kg (Rabbit)	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms

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

This product contains petroleum-based oils which are severely refined. These oils have NOT been classified as a carcinogen by any of the reporting agencies. During use in engines, contamination of oil with low levels of cancer-causing combustion products may occur.

Chemical Name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0	A2	Group 1	Known	X
Paraffinic oils, petroleum catalytic dewaxed heavy 64742-70-7	A2	Group 1	Known	X
Petroleum distillates, hydrotreated, heavy paraffinic 64742-54-7	A2	Group 1	Known	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A2-Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 – Carcinogenic to Humans

NTP (National Toxicology Program)

Known-Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X – Present

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

Oral LD50 6,482.81 mg/kg

Dermal LD50 2,568.50 mg/kg

ATEmix (inhalation-dust/mist) 5.01 mg/L

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based 72623-87-1		5000:96 h Oncorhynchus mykiss Mg/L LC50	1000:48 h Daphnia magna mg/L EC50
Petroleum distillates, solvent Dewaxed heavy paraffinic 64742-65-0		5000:96 h Oncorhynchus mykiss mg/L LC50	1000:48 h Daphnia magna mg/L EC50
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		5000:96 h Oncorhynchus mykiss mg/L LC50	1000:48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

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.

California Hazardous Waste Status

Chemical name	California Hazardous Waste Status
Zinc alkyl dithiophosphate 113706-15-3	Toxic

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not Regulated

IATA

Not Regulated

IMDG

Not Regulated

15. REGULATORY INFORMATION**International Inventories**

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/E Lincs	ENCS	IECSC	KECL	PICCS	AICS
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	X	ACTIVE	X	X		X	X	X	X
Petroleum distillates, solvent dewaxed heavy paraffinic	X	ACTIVE	X	X		X	X	X	X

1-Dodecene, Polymer with 1-Decene, Hydrogenated	X	ACTIVE	X		X	X			X
1-Decene, Polymer with 1-Octene and 1-Dodecene, Hydrogenated	X	ACTIVE	X			X		X	X
1-decene, Homopolymer, Hydrogenated	X	ACTIVE	X	X	X	X	X	X	X
Zinc alkyl dithiophosphate	X	ACTIVE	X		X	X			X
Petroleum distillates, hydrotreated heavy paraffinic	X	ACTIVE	X	X	X	X	X	X	X
Paraffin oils, petroleum, catalytic dewaxed heavy	X	ACTIVE	X	X		X	X	X	X
Tetrapropenylphenol	X	ACTIVE	X			X	X		

Legend:*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL - 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 Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
Zinc alkyl dithiophosphate - 113706-15-3	113706-15-3	<5	1.0

CWA (Clean Water Act)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc alkyl dithiophosphate		X		

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Zinc alkyl dithiophosphate 113706-15-3	X		X
Paraffin oils, petroleum, catalytic dewaxed heavy 64742-70-7		X	

16. OTHER INFORMATION**NFPA****Health Hazards****Flammability****Instability****Special Hazards**

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Not determined

HMIS**Health Hazards****Flammability****Physical hazards****Personal Protection**

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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