

# Signature® Synthetic Motor Oil

## Safety Data Sheet



SECTION 1 IDENTIFICATION			
<b>Product Name:</b> Signature® Full Synthetic Motor Oil  <b>Distributor Information:</b> Parman Energy Corporation 7101 Cockrill Bend Blvd Nashville, TN 37209 (800) 727-7920  <b>Product Use:</b> Engine Oil, Lubricant <b>Emergency Phone Number:</b> PERS (800) 633-8253			
SECTION 2 HAZARD(S) IDENTIFICATION			
<b>Classification:</b> Not classified as hazardous according to 29 CFR 1910.1200 (2012).  Label Elements:			
<b>Appearance:</b> Amber Liquid	<b>Physical State:</b> Viscous Liquid	<b>Odor:</b> Petroleum-like Odor	
<b>Hazards Not Otherwise Classified (HNOC)</b> <b>Other Information</b> The mixture consists of substances capable of producing an aspiration hazard. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure, and even death. Avoid prolonged or repeated contact with used motor oil. Used motor oil has been shown to cause skin cancer in laboratory animals. 20.73% percent of the mixture consists of ingredient(s) of unknown acute toxicity.			
SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS			
<b>Common Name:</b> Full Synthetic Motor Oil			
Components	CAS Number	Amount	GHS-US Classification
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	0-99% weight	Acute Tox. 3 (Inhalation:vapor), H331 Acute Tox. 4 (Inhalation:vapor), H332
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	0-99% weight	Not classified
1-Decene, homopolymer, hydrogenated	68037-01-4	0-42% weight	Not classified
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	0-11.75% weight	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

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Paraffin oils	8012-95-1	0-5% weight	Not classified
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	0-5% weight	Not classified
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	0-5% weight	Not classified
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5	0-5% weight	Acute Tox. 3 (Inhalation), H331 Acute Tox. 4 (Inhalation), H332

### SECTION 4 FIRST-AID MEASURES

#### First-aid measures general

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Eye:** Rinse immediately with plenty of water for 15 minutes, lifting lower and upper lids. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**Skin:** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

**Ingestion:** Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

**Inhalation:** Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

#### Immediate Symptoms and Effects:

**Eye:** Direct contact with the eyes is likely to be irritating.

**Skin:** Contact during a long period may cause slight irritation.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Inhalation:** ON CONTINUOUS EXPOSURE/CONTACT: May cause respiratory irritation.

**Delayed or other Health Effects:** Not classified

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

**Notes to Physician:** Not classified

### SECTION 5 FIRE-FIGHTING MEASURES

#### Extinguishing Media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Do not use a heavy water stream. Will float and can be reignited on water surface.

Fire hazard: Not flammable. Promotes combustion.

Explosion hazard: Not applicable.

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Reactivity: No dangerous reactions known under normal conditions of use.

**Protection for Fire Fighters:**

**Fire Fighting Instructions:** Cool tanks/drums with water spray/remove them into safety. Fight fire with normal precautions from a reasonable distance. Under fire conditions, hazardous fumes will be present.

**Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Special protective equipment for fire fighters:** Protective firefighting clothing (includes fire-fighting helmet, coat, pants, boots and gloves). Wear positive pressure self-contained breathing apparatus (SCBA).

### SECTION 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment & Emergency Procedures:**

**Personal Protection:** Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, spray.

**Protective equipment:** Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Evacuate unnecessary personnel.

**Protective equipment:** Equip cleanup crew with proper protection.

**Emergency procedures:** Stop leak if safe to do so. Ventilate area.

**Spill Management:**

**For containment:** Contain leaking substance. Plug the leak, cut off the supply. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

**Methods for cleaning up:** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.

**Reporting:** Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### SECTION 7 HANDLING AND STORAGE

**General Handling Information:** Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

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

**Technical measures:** Comply with applicable regulations.

**Storage conditions:** Store in a dry place. Store in a well-ventilated place. Keep cool. Keep container closed when not in use. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not store near food, foodstuffs, drugs or potable water supplies.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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### General Considerations:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

**Engineering Controls:** Use in a well-ventilated area.

**Personal Protective Equipment:** Protective goggles. Gloves. Insufficient ventilation: wear respiratory protection.

Hand protection: Wear suitable gloves resistant to chemical penetration.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

**Respiratory Protection:** Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

### Occupational Exposure Limits:

Component	Agency	TWA
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	ACGIH ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (Mineral oil, pure, highly and severely refined; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)
1-Decene, homopolymer, hydrogenated (68037-01-4)	ACGIH ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (Mineral oil, pure, highly and severely refined; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)
Parrafin oils (8012-95-1)	ACGIH ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (Mineral oil, pure, highly and severely refined; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)
Parrafin oils (8012-95-1)	OSHA OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)	ACGIH ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)	ACGIH ACGIH STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)	OSHA OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Attention:** the data below are typical values and do not constitute a specification.

**Physical state:** Liquid

**Color:** Amber brown

**Odor:** Petroleum-like odor

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**Odor threshold:** No data available  
**Relative evaporation rate (butylacetate=1):** No data available  
**Freezing point:** No data available  
**Boiling point:** No data available  
**Flash point:** > 204 °C (>400 °F) [Method used: Cleveland Open Cup]  
**Auto-ignition temperature:** No data available  
**Decomposition temperature:** No data available  
**Flammability (solid, gas):** No data available  
**Vapor pressure:** < 0.2  
**Relative vapor density at 20 °C :** No data available  
**Specific Gravity:**0.85  
**Density:** 0.85 kg/l (7.07 lbs/gal)  
**Solubility: Water:** Negligible  
**Log Pow:** No data available  
**Log Kow:** No data available  
**Viscosity, kinematic:** No data available  
**Viscosity, dynamic:** 42.42 cP  
**Explosive properties:** Not applicable.  
**Oxidizing properties:** No data available  
**Explosive limits:** No data available  
**VOC content:** 0.00 %

### SECTION 10 STABILITY AND REACTIVITY

**Reactivity:** No dangerous reactions known under normal conditions of use.  
**Chemical Stability:** Stable under normal conditions.  
**Incompatibility with Other Materials:** Keep away from strong acids, strong bases and oxidizing agents.  
**Hazardous Decomposition Products:** Carbon dioxide. Carbon monoxide. hydrocarbons.  
**Hazardous Polymerization:** Hazardous polymerization will not occur.  
**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures. Keep away from open flames, hot surfaces and sources of ignition.

### SECTION 11 TOXICOLOGICAL INFORMATION

**Information on toxicological effects**  
**Serious Eye Damage/Irritation:** Not Classified  
**Skin Corrosion/Irritation:** Not Classified  
**Skin Sensitization:** Not Classified  
**Acute Dermal Toxicity:** Not Classified  
**Acute Oral Toxicity:** Not Classified  
**Acute Inhalation Toxicity:** Not Classified  
**Acute Toxicity Estimate:** Not Classified  
**Germ Cell Mutagenicity:** Not Classified  
**Carcinogenicity:** Not Classified  
**Reproductive Toxicity:** Not Classified  
**Specific Target Organ Toxicity - Single Exposure:** Not Classified  
**Specific Target Organ Toxicity - Repeated Exposure:** Not Classified

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**Symptoms/injuries after inhalation:** ON CONTINUOUS EXPOSURE/CONTACT: May cause respiratory irritation.

**Symptoms/injuries after skin contact:** Contact during a long period may cause slight irritation.

**Symptoms/injuries after eye contact:** Direct contact with the eyes is likely to be irritating.

**Symptoms/injuries after ingestion:** Ingestion is likely to be harmful or have adverse effects.

### ADDITIONAL TOXICOLOGY INFORMATION:

<b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>	
LD50 oral rat	> 5,000.00 mg/kg bodyweight (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	> 5,000.00 mg/kg bodyweight (Rabbit; Experimental value; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	> 5.53 mg/l/4h (Rat; Experimental value)
ATE US (vapors)	3.00 mg/l/4h

<b>Paraffin oils (8012-95-1)</b>	
LD50 oral rat	> 5,000.00 mg/kg (Rat)
LD50 dermal rabbit	> 2,000.00 mg/kg (Rabbit)

<b>Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)</b>	
ATE US (gases)	700.00 ppmv/4h
ATE US (vapors)	3.00 mg/l/4h
ATE US (dust,mist)	0.50 mg/l/4h

### SECTION 12 ECOLOGICAL INFORMATION

#### Ecotoxicity:

This material is not expected to be harmful to aquatic organisms.

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

#### MOBILITY

No data available.

#### PERSISTENCE AND DEGRADABILITY

**Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7):** Not readily biodegradable in water. Adsorbs into the soil.

**1-Decene, homopolymer, hydrogenated (68037-01-4):** Biodegradability in water.

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**Parrafin oils (8012-95-1):** Contains non-readily biodegradable component(s).

**POTENTIAL TO BIOACCUMULATE**

Bioconcentration Factor: No data available.

Octanol/Water Partition Coefficient: No data available

**Other adverse effects:** No data available

**SECTION 13 DISPOSAL CONSIDERATIONS**

Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations.

**SECTION 14 TRANSPORT INFORMATION**

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

**DOT Shipping Description:** In accordance with DOT. Not a dangerous good in sense of transport regulations.

**IMO/IMDG Shipping Description:** NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

**ICAO/IATA Shipping Description:** NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:**

Not applicable

**SECTION 15 REGULATORY INFORMATION**

**US Federal Regulations:**

Signature Full Synthetic Motor Oil SAE 0W-20 SN/GF-5 Dexos 1	
EPA TSCA Regulatory Flag	Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Parrafin oils (8012-95-1)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	Listed on the United States TSCA (Toxic Substances Control Act) inventory

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Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
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### International Regulations:

<b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
<b>Paraffin oils (8012-95-1)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
<b>Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
<b>Paraffin oils (8012-95-1)</b>	
Listed on the Canadian IDL (Ingredient Disclosure List)	
<b>Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)</b>	
DSL (Canada): The intentional ingredients of this product are listed	

### U.S. State Regulations:

<b>Paraffin oils (8012-95-1)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List
<b>Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)</b>	U.S. - Massachusetts - Right To Know List
<b>Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)</b>	U.S. - Massachusetts - Right To Know List

### SECTION 16 OTHER INFORMATION

#### Full text of H-Statements:

H315	Causes skin irritation
H318	Causes serious eye damage
H331	Toxic if inhaled
H332	Harmful if inhaled
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

NFPA Ratings		HMIS III Rating	
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<b>NFPA Health Hazard</b>	1		<b>HMIS Health Hazard</b>	1	
<b>NFPA Fire Hazard</b>	1		<b>HMIS Fire Hazard</b>	1	
<b>NFPA Reactivity</b>	0		<b>HMIS Reactivity</b>	0	
Issuing Date: 19 September 2017					
Revision Date:					

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

Parman Energy makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity, and suitability of his own use, handling, and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Parman Energy as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does Parman Energy assume liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

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