

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Syngard SAE SN - PCMO  
Product code : 586970, 588887, 590258, 592131, 587016, 590506, 586961

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Martin Lubricants  
484 East 6th St.  
Smackover, AR 71762

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC (800) 424-9300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Acute toxicity (inhalation:dust,mist) Category 4 H332 Harmful if inhaled  
Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning  
Hazard statements (GHS US) : H332 - Harmful if inhaled  
Precautionary statements (GHS US) : P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P312 - Call a poison center or doctor if you feel unwell.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based	CAS-No.: 72623-87-1	80 – 90	Acute Tox. 4 (Inhalation:dust,mist), H332
Highly refined mineral oil (C15-C50)	CAS-No.: 8042-47-5	5 – 10	Asp. Tox. 1, H304
Zinc salts of dialkyl dithiophosphoric acid	CAS-No.: 68649-42-3	0.3 – 1	Not classified
Phenol, (tetrapropenyl) derivatives	CAS-No.: 74499-35-7	0 – 0.02	Skin Corr. 1C, H314 Eye Dam. 1, H318

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

No additional information available

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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No additional information available

#### Highly refined mineral oil (C15-C50) (8042-47-5)

##### USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA	5 mg/m <sup>3</sup> (Inhalable fraction)
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#### Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)

No additional information available

#### Phenol, (tetrapropenyl) derivatives (74499-35-7)

No additional information available

#### Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based (72623-87-1)

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

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<b>Eye protection:</b>
Safety glasses
<b>Skin and body protection:</b>
Wear suitable protective clothing
<b>Respiratory protection:</b>
Wear respiratory protection.

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Amber, clear liquid.
Color	: amber
Odor	: Hydrocarbon.
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 260 °C
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: 7.097
Solubility	: Material nearly insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 45.18 mm <sup>2</sup> /s at 40 degrees Celsius
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Harmful if inhaled.

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ATE US (dust, mist)	2.422 mg/l/4h
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#### Highly refined mineral oil (C15-C50) (8042-47-5)

LD50 oral rat	> 5000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Read-across, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 5 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Read-across, Inhalation (aerosol), 14 day(s))

#### Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)

LD50 oral rat	3195 mg/kg Source: ECHA
LD50 dermal rabbit	> 3160 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 5000 mg/m <sup>3</sup> Source: ECHA
ATE US (oral)	3195 mg/kg body weight

#### Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based (72623-87-1)

LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 dermal rabbit	> 2000 mg/kg Source: IUCLID
LC50 Inhalation - Rat (Dust/Mist)	2.18 mg/l Source: IUCLID
ATE US (dust, mist)	2.18 mg/l/4h

Skin corrosion/irritation : Not classified

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Highly refined mineral oil (C15-C50) (8042-47-5)	
pH	No data available in the literature
Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)	
pH	5.5 – 7.5 Source: ECHA
Serious eye damage/irritation	: Not classified
Highly refined mineral oil (C15-C50) (8042-47-5)	
pH	No data available in the literature
Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)	
pH	5.5 – 7.5 Source: ECHA
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based (72623-87-1)	
LOAEL (oral,rat,90 days)	125 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Aspiration hazard	: Not classified
Viscosity, kinematic	: 45.18 mm <sup>2</sup> /s at 40 degrees Celsius
Highly refined mineral oil (C15-C50) (8042-47-5)	
Viscosity, kinematic	> 3 mm <sup>2</sup> /s (40 °C, ISO 3104: Determination of kinematic viscosity and calculation of dynamic viscosity)
Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)	
Viscosity, kinematic	9 – 15 mm <sup>2</sup> /s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)' Remarks on result: 'other:'
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based (72623-87-1)	
Viscosity, kinematic	1.99 – 847 mm <sup>2</sup> /s Temp.: '40°C' Parameter: 'mm <sup>2</sup> /s'

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Highly refined mineral oil (C15-C50) (8042-47-5)	
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)
Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)	
LC50 - Fish [1]	1 – 5 mg/l Source: ECHA
EC50 - Crustacea [1]	1 – 1.5 mg/l Source: IUCLID
EC50 96h - Algae [1]	1 – 5 mg/l Source: IUCLID

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### Phenol, (tetrapropenyl) derivatives (74499-35-7)

LC50 - Fish [1]	0.146 mg/l Source: ECOSAR
EC50 96h - Algae [1]	0.6 mg/l Source: ECOSAR

### Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based (72623-87-1)

LC50 - Fish [1]	> 5000 mg/l Source: IUCLID
EC50 - Crustacea [1]	> 1000 mg/l Source: IUCLID

## 12.2. Persistence and degradability

### Highly refined mineral oil (C15-C50) (8042-47-5)

Persistence and degradability	Not readily biodegradable in water.
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## 12.3. Bioaccumulative potential

### Highly refined mineral oil (C15-C50) (8042-47-5)

BCF - Other aquatic organisms [1]	1216 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	5.18 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation ( $500 \leq \text{BCF} \leq 5000$ ).

### Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)

Partition coefficient n-octanol/water (Log Pow)	14.876 Source: ECHA
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### Phenol, (tetrapropenyl) derivatives (74499-35-7)

Bioaccumulative potential	No test data available.
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### Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based (72623-87-1)

Partition coefficient n-octanol/water (Log Pow)	3.9 – 6 Source: IUCLID
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## 12.4. Mobility in soil

### Highly refined mineral oil (C15-C50) (8042-47-5)

Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.64 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

## 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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### SECTION 14: Transport information

DOT	TDG	IMDG	IATA
<b>14.1. UN number</b>			
Not regulated for transport			
<b>14.2. Proper Shipping Name</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>Transport document description</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

### 14.6. Special precautions for user

#### DOT

No data available

#### TDG

No data available

#### IMDG

No data available

#### IATA

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Highly refined mineral oil (C15-C50)	8042-47-5	Present		
Zinc salts of dialkyl dithiophosphoric acid	68649-42-3	Present		
Phenol, (tetrapropenyl) derivatives	74499-35-7	Present		
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based	72623-87-1	Present		



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This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### CANADA

##### Highly refined mineral oil (C15-C50) (8042-47-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

##### Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)

Listed on the Canadian DSL (Domestic Substances List) inventory.

##### Phenol, (tetrapropenyl) derivatives (74499-35-7)

Listed on Non-Domestic Substances List (NDSL)

##### Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based (72623-87-1)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### EU-Regulations

No additional information available

#### National regulations

##### Highly refined mineral oil (C15-C50) (8042-47-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

##### Zinc salts of dialkyl dithiophosphoric acid (68649-42-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

## SECTION 16: Other information

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Revision date : 06/29/2022

#### Full text of H-phrases

H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H332	Harmful if inhaled

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