



# SAFETY DATA SHEET

## SECTION 1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

**Product ID:** 591517  
**Product Name:** SynGard FS Fleet SAE 0W-40 Engine Oil  
**Revision Date:** Jun 21, 2019 **Date Printed:** Jul 25, 2019  
**Version:** 3.0 **Supersedes Date:** Jun 27, 2018  
**Manufacturer's Name:** Martin Operating Partnership L.P.  
**Address:** 4200 B Stone Rd, Kilgore, TX, US, 75662  
**Emergency Phone:** CHEMTREC (800) 424-9300  
**Information Phone Number:** 870-864-8700  
**Fax:**  
**Product/Recommended Uses:** Synthetic motor oil for diesel engines

## SECTION 2) HAZARDS IDENTIFICATION

### Classification

Acute aquatic toxicity - Category 3  
Chronic aquatic toxicity - Category 3

### Pictograms

None

### Signal Word

No signal word available.

### Hazardous Statements - Environmental

H412 - Harmful to aquatic life with long lasting effects

### Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read label before use.

### Precautionary Statements - Prevention

P273 - Avoid release to the environment.

### Precautionary Statements - Response

No precautionary statement available.

### Precautionary Statements - Storage

No precautionary statement available.

### Precautionary Statements - Disposal

P501 - Dispose of contents/container to disposal recycling center. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

### Physical Hazards Not Otherwise Classified (PHNOC)/Health Hazards Not Otherwise Classified (HHNOC)

None.

### SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0064742-54-7	MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC	65.0% - 85.0%
0064742-65-0	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC	10.0% - 30.0%
MIXTURE	HIGHLY REFINED MINERAL OIL (C15-C50)	5.0% - 10.0%
0074499-35-7	PHENOL, (TETRAPROPENYL) DERIVS.	0.0% - 0.1%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

### SECTION 4) FIRST-AID MEASURES

#### Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

#### Skin Contact

Rinse/wash with lukewarm, gently flowing water and mild soap for 5 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention.

If exposed or concerned: Get medical advice/attention.

#### Eye Contact

If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelids open. If eye irritation persists: Get medical advice/attention.

#### Ingestion

Immediately call a POISON CENTER/doctor.

If exposed or concerned: Get medical advice/attention.

#### Most Important Symptoms/Effects, Acute and Delayed

No data available.

#### Indication of Immediate Medical Attention and Special Treatment Needed

No data available.

### SECTION 5) FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide water spray or fog is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

#### Unsuitable Extinguishing Media

Water may be ineffective but can be used to cool containers exposed to heat or flame.

#### Specific Hazards in Case of Fire

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke), carbon monoxide, unidentified organic and inorganic compounds.

Oxides of C, Zn, Ca, P and S. Additional byproducts include hydrogen sulfide, alkyl mercaptan and other sulfides

Dense smoke may be generated while burning. Toxic fumes, gases or vapors may evolve on burning. Heavy flammable vapors may settle along ground level and low spots to create an invisible fire hazard. The vapors may extend to sources of ignition and flash back.

#### Fire-fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray or fog may be useful in minimizing or dispersing vapors and to protect personnel.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## SECTION 6) ACCIDENTAL RELEASE MEASURES

### Emergency Procedure

Immediately turn off or isolate any source of ignition. Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately. Prevent from spreading by making a barrier with sand, earth or other containment material. Collect with absorbent, non-combustible material into suitable containers. Transfer to a container for disposal.

Large spills, once contained, may be picked up using explosion proof, non sparking vacuum pumps, shovels, or buckets, and disposed of in suitable containers for disposal. Local authorities should be advised if significant spillages cannot be contained.

Spill procedures (water): Remove from surface by skimming or with suitable adsorbents. If a large spill occurs notify appropriate authorities.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

### Recommended equipment

Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

### Personal Precautions

Avoid breathing vapor or mist. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

### Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

### Methods and Materials for Containment and Cleaning up

Collect with absorbent, non-combustible material into suitable containers. Transfer to a container for disposal.

## SECTION 7) HANDLING AND STORAGE

### General

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Do not swallow.

Wear appropriate respirator when ventilation is inadequate.

Do not enter storage areas and confined spaces unless adequately ventilated.

### Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

### Storage Room Requirements

Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.

## SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

### Eye protection

Chemical goggles, safety glasses with side shields or vented/splash proof goggles. Contact lenses may absorb irritants. Particles may adhere to lenses and cause corneal damage.

### Skin protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Chemical-resistant clothing is recommended to avoid prolonged contact. Avoid unnecessary skin contact.

Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. If handling hot material use insulated protective equipment.

### Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours.

### Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of gas, vapors or dusts below their respective threshold limit value.

Chemical Name	CAN_ONsmg	CAN_ONtmg	CAN_ONsppm	CAN_ONtppm	CAN_ON	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC		525			1	500	2000	
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC						500	2000	

Chemical Name	OSHA STEL (mg/m3)	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC		1						
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC		1						

Chemical Name	NIOSH Carcinogen	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC		(L)[N159](L)[N800]	[(L)[N159](L)[N800]]; [5 (I)[N159]5 (I)[N800]];			[A2][N159]A2[N800]]; [A4][N159]A4[N800]];	[A2][N159]A2[N800]]; [A4][N159]A4[N800]];	URT irr [N159]URT irr [N800]
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC		(L)	[(L)]; [5 (I)];			[A2]; [A4];	[A2]; [A4];	URT irr

(L) - Exposure by all routes should be carefully controlled to levels as low as possible, irr - Irritation, URT - Upper respiratory tract

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

## Physical and Chemical Properties

Density	7.10 lb/gal
Density VOC	5.12 lb/gal
Specific Gravity	0.85
% Solids By Weight	10.28%
% VOC	72.13%

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Appearance	Amber, clear fluid
Odor Threshold	N.A.
Odor Description	Mild petroleum hydrocarbon odor
pH	N.A.
Water Solubility	Negligible in water
Flammability	Flash point at or above 200°F/93°C
Flash Point Symbol	N.A.
Flash Point	220°C (428°F)
Viscosity	83.26 cSt at 40°C, 14.06 cSt at 100°C
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure	Negligible at STP
Vapor Density	>1 at STP
Pour Point	-43 °C
Melting Point	N.A.
Low Boiling Point	500 °F
High Boiling Point	N.A.
Auto Ignition Temp	N.A.
Decomposition Pt	N.A.
Evaporation Rate	Negligible at STP
Coefficient Water/Oil	N.A.
VOC Composite Partial Pressure	0 mmHg

## SECTION 10) STABILITY AND REACTIVITY

### Stability

Stable

### Conditions to Avoid

Avoid direct sunlight, extremes of temperatures and contact with incompatible materials.

### Hazardous Polymerization

Will not occur.

### Incompatible Materials

Avoid contact with acids and oxidizing materials.

### Hazardous Decomposition Products

Smoke, carbon monoxide and dioxide and other aldehydes of incomplete combustion. Oxides of C, Zn, Ca, P and S. Hydrogen sulfide and alkyl mercaptans and other sulfides may be released.

## SECTION 11) TOXICOLOGICAL INFORMATION

### Likely route of exposure

Inhalation, ingestion, skin absorption

#### **Skin Corrosion/Irritation**

May cause mild irritation of the skin.

#### **Serious Eye Damage/Irritation**

Can be slightly irritating to eyes.

#### **Respiratory/Skin Sensitization**

Prolonged or repeated contact may make skin more sensitive to other skin sensitizers.

Hot vapors may cause respiratory irritation.

#### **Germ Cell Mutagenicity**

No data available.

#### **Carcinogenicity**

The highly refined mineral oil contains <3% DMSO extract as measured by IP 346, hence the classification of a carcinogen need not apply.

#### **Reproductive Toxicity**

No data available.

#### **Specific Target Organ Toxicity - Single Exposure**

No data available.

#### **Specific Target Organ Toxicity - Repeated Exposure**

No data available.

#### **Aspiration Hazard**

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

#### **Acute Toxicity**

If inhalation : Overexposure by inhalation of hot material may cause nonspecific discomfort, such as nausea, headache or weakness.  
Caution should be taken to prevent forming aerosol or misting of this product without proper respiratory protection.

0064742-65-0 MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC

LD50 (Rodent - rat, Oral) : >5000 mg/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value.

LD50 (Rodent - rabbit, Administration onto the skin) : 5000 mg/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value.

0064742-54-7 MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC

LD50 (Rodent - rat, Oral) : >15 gm/kg ,Toxic effects : Details of toxic effects not reported other than lethal dose value.

LD50(Rodent- rabbit, Administration onto the skin) : >5 gm/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value.

## **SECTION 12) ECOLOGICAL INFORMATION**

#### **Toxicity**

Harmful to aquatic life

Harmful to aquatic life with long lasting effects

#### **Persistence and Degradability**

No Data Available.

#### **Other Adverse Effects**

No Data Available.

#### **Bio-accumulative Potential**

0064742-54-7 MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC

Contains constituents with the potential to bioaccumulate.

#### **Mobility in Soil**

0064742-54-7 MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC

Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

0064742-65-0 MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC

Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

## SECTION 13) DISPOSAL CONSIDERATIONS

### Waste Disposal

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## SECTION 14) Transport Information

	IATA Information	IMDG Information	Transport Canada	U.S. DOT Information
UN number:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Proper shipping name:	N/A	N/A	N/A	N/A
Hazard class:	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Packaging group:	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Hazardous substance (RQ):			No Data Available	No Data Available
Marine Pollutant:		No Data Available	No Data Available	No Data Available
Note / Special Provision:	No Data Available	No Data Available	No Data Available	No Data Available
Toxic-Inhalation Hazard:			No Data Available	No Data Available

## SECTION 15) REGULATORY INFORMATION

### Safety, health and environmental regulations

CAS	Chemical Name	% By Weight	Regulation List
0064742-54-7	MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC	65% - 85%	DSL,SARA312,TSCA,TX_ESL
0064742-65-0	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC	10% - 30%	DSL,SARA312,TSCA,TX_ESL
0068649-42-3	PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS	1.0% - 5%	SARA313, Canada_NPRI,DSL,CERCLA,SARA312,TSCA,TX_ESL
0009010-79-1	POLYPROPYLENE	1.0% - 5%	DSL,SARA312,TSCA
0074499-35-7	PHENOL, (TETRAPROPENYL) DERIVS.	Trace	NDSL,SARA312,TSCA
0132752-19-3	PHENOL, (TETRAPROPENYL) DERIVS., CALCIUM SALTS	Trace	NDSL,SARA312,TSCA

## SECTION 16) OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

### Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit;

### Additional Information

ACGIH Notations from Section 8:

For pure, highly and severely refined Mineral Oils (N159) and Mineral Spirits (N800) the ACGIH TWA (mg/m<sup>3</sup>) is 5 mg/m<sup>3</sup>(I), ACGIH Notations is A4

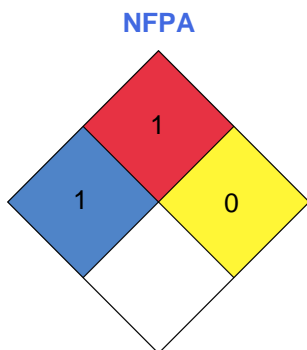
For poorly and mildly refined Mineral Oils (N159) and Mineral Spirits (N800) the ACGIH TWA (mg/m<sup>3</sup>) is (L), ACGIH Notations is A2

(I)- Inhalable fraction

(L)- Exposure by all routes should be carefully controlled to the levels as low as possible.

(A2)- Suspected Human Carcinogen

(A4)- Not Classifiable as a Human Carcinogen



### Version 3.0:

Revision Date: Jun 21, 2019

Changes made on: Section 1, Section 2, Section 3, Section 4, Section 6, Section 8, Section 9, Section 10, Section 11, Section 14, Section 15 and Section 16

Please contact the supplier for further information on the version history

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