



SAFETY DATA SHEET

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

Product ID: 589484
Product Name: SynGard FS SAE 75W-140 GL-5 Gear Oil LS
Revision Date: Jun 20, 2019 **Date Printed:** Jul 12, 2019
Version: 2.0 **Supersedes Date:** Sep 13, 2018
Manufacturer's Name: Martin Operating Partnership L.P.
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Product/Recommended Uses: Gear Oil

SECTION 2) HAZARDS IDENTIFICATION

Classification

Acute aquatic toxicity - Category 3
Skin Irritation - Category 3

Pictograms

None

Signal Word

Warning

Hazardous Statements - Health

H316 - Causes mild skin irritation

Hazardous Statements - Environmental

H402 - Harmful to aquatic life

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

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

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.

None.

Acute toxicity of 3.1% of the mixture is unknown

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

| CAS | Chemical Name | % By Weight |
|--------------|--|---------------|
| N/A | NON-HAZARDOUS INGREDIENTS | 30.0% - 60.0% |
| 0068649-12-7 | 1-DECENE, TETRAMER, MIXED WITH 1-DECENE TRIMER, HYDROGENATED | 10.0% - 30.0% |
| 0163149-28-8 | 1-DODECENE, POLYMER WITH 1-DECENE AND 1-OCTENE, HYDROGENATED | 10.0% - 30.0% |
| 0151006-60-9 | 1-DODECENE, POLYMER WITH 1-DECENE, HYDROGENATED | 10.0% - 30.0% |
| Mixture | MINERAL OIL | 10.0% - 30.0% |
| Proprietary | POLYALKYL METHACRYLATE | 1.0% - 5.0% |
| Proprietary | LONG-CHAIN ALKENYL AMINE | 0.1% - 1.0% |
| Proprietary | ALKYL PHOSPHATE | 0.1% - 1.0% |
| Proprietary | ALKYL PHOSPHONATE | 0.1% - 1.0% |
| 0000080-62-6 | METHYL METHACRYLATE | 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. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes or until medical aid is available. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use.

Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth. If you feel unwell or if 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**

Small Fire : Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Large Fire : Water spray, fog or alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use straight stream of water.

Specific Hazards in Case of Fire

This material will burn although it is not easily ignited. Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Oxides of C, Zn, Ca, P and S. Additional byproducts include hydrogen sulfide, alkyl mercaptan and other sulfides. Containers may explode in fire.

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. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA).

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Isolate hazard area and keep unauthorized personnel away. Stay uphill and/or upstream. Ventilate closed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material.

Recommended equipment

Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA).

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. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Methods and Materials for Containment and Cleaning up

Collect with absorbent, non-combustible material, inert material such as sand, sawdust, etc., into suitable containers. Dispose off according to federal, state and local regulations. Ventilate area after clean-up is complete.

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.
- Eyewash stations and showers should be available in areas where this material is used and stored.

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

All containers must be properly labelled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. 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 container retain residue and may be dangerous.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

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. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

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 should be followed. Check with respiratory protective equipment suppliers.

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) |
|---------------------|-----------|-----------|------------|------------|--------|----------------|------------------|-----------------|
| METHYL METHACRYLATE | | | | | | 100 | 410 | |

| 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) |
|---------------------|-------------------|--------------------------|-----------------|-----------------------|-----------------|-------------------|------------------|--------------------|
| METHYL METHACRYLATE | | 1 | | | 100 | 410 | | |

| 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 |
|---------------------|------------------|-----------------|-------------------|------------------|--------------------|------------------|-----------------|--|
| METHYL METHACRYLATE | | 50 | | 100 | | A4 | DSEN; A4 | URT & eye irr; body weight eff; pulm edema |

A4 - Not Classifiable as a Human Carcinogen, DSEN - Dermal sensitization, eff - Effects, irr - Irritation, pulm - Pulmonary, URT - Upper respiratory tract

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| | |
|-----------------------|---------------------------------------|
| Density | 7.15 lb/gal |
| Specific Gravity | 0.86 |
| <hr/> | |
| Appearance | Amber |
| Odor Threshold | N.A. |
| Odor Description | N.A. |
| pH | N.A. |
| Water Solubility | N.A. |
| Flammability | N/A |
| Flash Point Symbol | N.A. |
| Flash Point | 218 °C |
| Viscosity | 157.21 cSt @ 40°C, 26.59 cSt at 100°C |
| Lower Explosion Level | N.A. |
| Upper Explosion Level | N.A. |
| Vapor Pressure | N.A. |
| Vapor Density | N.A. |
| Freezing Point | -45 °C |

| | |
|-----------------------|------|
| Melting Point | N.A. |
| Low Boiling Point | N.A. |
| High Boiling Point | N.A. |
| Auto Ignition Temp | N.A. |
| Decomposition Pt | N.A. |
| Evaporation Rate | N.A. |
| Coefficient Water/Oil | N.A. |

SECTION 10) STABILITY AND REACTIVITY

Stability

Stable

Conditions to Avoid

Avoid heat, sparks, flame and contact with incompatible materials

Hazardous Polymerization

Will not occur.

Incompatible Materials

Avoid contact with acids and oxidizing materials.

Hazardous Decomposition Products

None under normal temperatures and pressures.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely route of exposure

Inhalation, ingestion, skin absorption

Skin Corrosion/Irritation

Causes mild skin irritation

Serious Eye Damage/Irritation

No data available.

Respiratory/Skin Sensitization

No data available.

Germ Cell Mutagenicity

No data available.

Carcinogenicity

No data available.

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

No data available.

Acute Toxicity

LC50 (rat): 7093 ppm (4-hour exposure) (5)

LC50 (mouse): 3205 ppm (13080 mg/m³) (4-hour exposure); cited as 18500 mg/m³ (2-hour exposure) (6)

LD50 (oral, rat): 7940 mg/kg (cited as 8.41 cc/kg) (1)

LD50 (oral, mouse): 3625 mg/kg (8)

LD50 (dermal, rabbit): greater than 7550 mg/kg (cited as 8.0 mL/kg) (34)

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

Harmful to aquatic life

Persistence and Degradability

No Data Available.

Bio-accumulative Potential

No Data Available.

Mobility in Soil

No Data Available.

Other Adverse Effects

No Data Available.

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

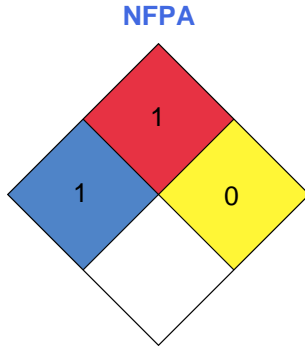
Safety, health and environmental regulations

| CAS | Chemical Name | % By Weight | Regulation List |
|--------------|--|-------------|--|
| 0163149-28-8 | 1-DODECENE, POLYMER WITH 1-DECENE AND 1-OCTENE, HYDROGENATED | 10% - 30% | DSL,SARA312,TSCA |
| 0151006-60-9 | 1-DODECENE, POLYMER WITH 1-DECENE, HYDROGENATED | 10% - 30% | DSL,SARA312,TSCA |
| 0068649-12-7 | 1-DECENE, TETRAMER, MIXED WITH 1-DECENE TRIMER, HYDROGENATED | 10% - 30% | DSL,SARA312,TSCA,TX_ESL |
| 0000080-62-6 | METHYL METHACRYLATE | Trace | Canada_NPRI,DSL,CERCLA,HAPS,SARA312,TSCA,RCRA,TX_ESL |

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; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.



Version 2.0:

Revision Date: Jun 20, 2019

Changes made on: Section 1, Section 2, Section 3, Section 8, Section 11, Section 14, Section 15 and Section 16
Please contact the supplier for further information on the version history

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