

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : SynGard FS Fleet SAE 0W-40 Engine Oil
Product code : 591517

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Synthetic motor oil for diesel engines

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

| | | |
|---|------|--|
| Skin sensitisation, Category 1 | H317 | May cause an allergic skin reaction. |
| Reproductive toxicity, Category 2 | H361 | Suspected of damaging fertility or the unborn child. |
| Full text of H-statements: see section 16 | | |

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning

Hazard statements (GHS US) : H317 - May cause an allergic skin reaction.
H361 - Suspected of damaging fertility or the unborn child.

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of water.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SynGard FS Fleet SAE 0W-40 Engine Oil

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|---|---------------------|------------|
| Polyalpha Olefin | CAS-No.: 68037-01-4 | 35 – 70 |
| Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based | CAS-No.: 72623-87-1 | 10 – 20 |
| Distillates, hydrotreated heavy paraffinic | CAS-No.: 64742-54-7 | 0.2 – 1.0 |
| Arenesulfonic acid, alkyl derivatives, metal salts | - | 0.01 – 0.2 |
| Phenol, (tetrapropenyl) derivatives | CAS-No.: 74499-35-7 | 0.01 – 0.2 |

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 | : IF exposed or concerned: Get medical advice/attention. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| 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)

| | |
|-------------------------------------|--|
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
|-------------------------------------|--|

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. |
|--|--------------------------------|

SynGard FS Fleet SAE 0W-40 Engine Oil

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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 contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/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".

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. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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 locked up. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

SynGard FS Fleet SAE 0W-40 Engine Oil

No additional information available

Polyalpha Olefin (68037-01-4)

No additional information available

SynGard FS Fleet SAE 0W-40 Engine Oil

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

No additional information available

Arenesulfonic acid, alkyl derivatives, metal salts

No additional information available

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

No additional information available

Distillates, hydrotreated heavy paraffinic (64742-54-7)

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

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] 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. |
| Colour | : Colourless |
| Odour | : Mild petroleum; Hydrocarbon |
| Odour threshold | : No data available |
| pH | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : 260 °C |
| Flash point | : 220 °C (428°F) |
| Relative evaporation rate (butylacetate=1) | : Negligible at STP |
| Flammability (solid, gas) | : Flash point at or above 200°F/93°C Not applicable. |

SynGard FS Fleet SAE 0W-40 Engine Oil

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| | |
|---|--|
| Vapour pressure | : Negligible at STP |
| Relative vapour density at 20 °C | : > 1 at STP |
| Relative density | : 0.85 |
| Density | : 7.1 lb/gal |
| 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 | : 83.26 mm ² /s at 40°C, 14.06 cSt at 100°C |
| Viscosity, dynamic | : No data available |
| Explosive limits | : No data available |
| Explosive properties | : No data available |
| Oxidising 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.

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) | : Not classified |

Polyalpha Olefin (68037-01-4)

| | |
|-----------------------|--|
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat | > 5.2 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |

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

| | |
|---------------|---|
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method) |
|---------------|---|

SynGard FS Fleet SAE 0W-40 Engine Oil

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

| | |
|-----------------------------------|-----------------------------|
| 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 |

Distillates, hydrotreated heavy paraffinic (64742-54-7)

| | |
|--------------------|------------------------------|
| LD50 oral rat | > 15000 mg/kg Source: IUCLID |
| LD50 dermal rabbit | > 5000 mg/kg Source: IUCLID |

Skin corrosion/irritation : Not classified

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

| | |
|----|-------------------------------------|
| pH | No data available in the literature |
|----|-------------------------------------|

Serious eye damage/irritation : Not classified

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

| | |
|----|-------------------------------------|
| pH | No data available in the literature |
|----|-------------------------------------|

Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified.
Reproductive toxicity : Suspected of damaging fertility or the unborn child.
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 bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
|----------------------------|---|

Aspiration hazard : Not classified
Viscosity, kinematic : 83.26 mm²/s at 40°C, 14.06 cSt at 100°C

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

| | |
|----------------------|-------------------------------------|
| Viscosity, kinematic | No data available in the literature |
|----------------------|-------------------------------------|

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

| | |
|----------------------|---|
| Viscosity, kinematic | 1.99 – 847 mm ² /s Temp.: '40°C' Parameter: 'mm ² /s' |
|----------------------|---|

Symptoms/effects after skin contact : May cause an allergic skin reaction.

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.

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 |

SynGard FS Fleet SAE 0W-40 Engine Oil

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Distillates, hydrotreated heavy paraffinic (64742-54-7)

| | |
|----------------------|----------------------------|
| LC50 - Fish [1] | > 5000 mg/l |
| EC50 - Crustacea [1] | > 1000 mg/l Source: IUCLID |
| EC50 96h - Algae [1] | > 1000 mg/l Source: IUCLID |

12.2. Persistence and degradability

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

| | |
|-------------------------------|---|
| Persistence and degradability | Biodegradability in water: no data available. |
|-------------------------------|---|

12.3. Bioaccumulative potential

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

| | |
|---------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |
|---------------------------|------------------------------------|

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

| | |
|---|------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.9 – 6 Source: IUCLID |
|---|------------------------|

Distillates, hydrotreated heavy paraffinic (64742-54-7)

| | |
|---|------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.9 – 6 Source: IUCLID |
|---|------------------------|

12.4. Mobility in soil

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

| | |
|----------------|---|
| Ecology - soil | No (test)data on mobility of the substance available. |
|----------------|---|

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.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|---|---------------|---------------|---------------|
| 14.1. UN number | | | |
| Not regulated for transport | | | |
| 14.2. Proper Shipping Name | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |

SynGard FS Fleet SAE 0W-40 Engine Oil

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| DOT | TDG | IMDG | IATA |
|--|---------------|---------------|---------------|
| 14.5. Environmental hazards | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | |

14.6. Special precautions for user

DOT

Not regulated

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

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 |
|---|------------|-------------|-------------------|-------|
| Polyalpha Olefin | 68037-01-4 | Present | Active | XU |
| Phenol, (tetrapropenyl) derivatives | 74499-35-7 | Present | Active | |
| Arenesulfonic acid, alkyl derivatives, metal salts | | Not present | - | |
| Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based | 72623-87-1 | Present | Active | |
| Distillates, hydrotreated heavy paraffinic | 64742-54-7 | Present | Active | |

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

Polyalpha Olefin (68037-01-4)

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian NDSL (Non-Domestic Substances List)

SynGard FS Fleet SAE 0W-40 Engine Oil

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

Listed on the Canadian DSL (Domestic Substances List)

Distillates, hydrotreated heavy paraffinic (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Polyalpha Olefin (68037-01-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Distillates, hydrotreated heavy paraffinic (64742-54-7)

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, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 7/25/2024

Full text of H-statements

| | |
|------|--|
| H317 | May cause an allergic skin reaction. |
| H361 | Suspected of damaging fertility or the unborn child. |

Safety Data Sheet (SDS), USA

Information provided in this Safety Data Sheet is considered accurate and reliable based on information issued from internal and outside sources to the best of Martin Operating Partnership L.P.'s knowledge; however, Martin Operating Partnership L.P. makes no representations, guarantees or warranties, expressed or implied, of merchantability or fitness for the particular purpose, regarding the accuracy of such information or the result to be obtained from the use thereof or as to the sufficiency of information herein presented. Martin Operating Partnership L.P. assumes no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks.

This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Martin Operating Partnership L.P., must rely upon information provided by the material manufacturers or distributors.