

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Syngard FS GL- 5 SAE 75W-140 Gear Oil DriveTrain NLS  
Product code : 502108

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

Use of the substance/mixture : Gear oil

#### 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.
Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment – Acute Hazard, Category 3	H402	Harmful to aquatic life

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.  
H332 - Harmful if inhaled.  
H402 - Harmful to aquatic life

Precautionary statements (GHS US) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - If on skin: Wash with plenty of water.  
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.  
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.

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P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 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

### 3.2. Mixtures

Name	Product identifier	%
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based	CAS-No.: 72623-87-1	35 – 70
Distillates, hydrotreated heavy paraffinic	CAS-No.: 64742-54-7	25 – 30
Tert-dodecylamine (Long-chain alkyl amine)	CAS-No.: 68955-53-3	0.1 – 0.9

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. 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. 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.

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### 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 : Only qualified personnel equipped with suitable protective equipment may intervene. 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. Notify authorities if product enters sewers or public waters.

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

For containment : Collect spillage.

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. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

Hygiene measures : Separate working clothes from town clothes. Launder separately. 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

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No additional information available

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### 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

### Tert-dodecylamine (Long-chain alkyl amine) (68955-53-3)

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	: Amber
Odour	: Hydrocarbon
Odour threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 222 °C (432°F)
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Flash Point at or above 200 °F Not applicable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.85

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Density	: 7.13 lb/gal
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 155.46 mm <sup>2</sup> /s at 40°C, 26.41 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)	: Harmful if inhaled.

Syngard FS GL- 5 SAE 75W-140 Gear Oil DriveTrain NLS	
ATE US (dust,mist)	3.633 mg/l/4h
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)
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

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<b>Distillates, hydrotreated heavy paraffinic (64742-54-7)</b>	
LD50 oral rat	> 15000 mg/kg Source: IUCLID
LD50 dermal rabbit	> 5000 mg/kg Source: IUCLID
<b>Tert-dodecylamine (Long-chain alkyl amine) (68955-53-3)</b>	
LD50 oral rat	> 500 mg/kg Source: ECHA
LD50 dermal rat	251 mg/kg Source: ECHA
LC50 Inhalation - Rat [ppm]	≥ 157 ppm Source: ECHA
ATE US (oral)	500 mg/kg bodyweight
ATE US (dermal)	251 mg/kg bodyweight
ATE US (gases)	100 ppmv/4h
ATE US (vapours)	0.5 mg/l/4h
ATE US (dust,mist)	0.05 mg/l/4h
Skin corrosion/irritation	: Not classified
<b>Tert-dodecylamine (Long-chain alkyl amine) (68955-53-3)</b>	
pH	9 – 10
Serious eye damage/irritation	: Not classified
<b>Tert-dodecylamine (Long-chain alkyl amine) (68955-53-3)</b>	
pH	9 – 10
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
<b>Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based (72623-87-1)</b>	
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)
<b>Tert-dodecylamine (Long-chain alkyl amine) (68955-53-3)</b>	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Viscosity, kinematic	: 155.46 mm <sup>2</sup> /s at 40°C, 26.41 cSt at 100°C
<b>Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based (72623-87-1)</b>	
Viscosity, kinematic	1.99 – 847 mm <sup>2</sup> /s Temp.: '40°C' Parameter: 'mm <sup>2</sup> /s' 'mm <sup>2</sup> /s'
<b>Tert-dodecylamine (Long-chain alkyl amine) (68955-53-3)</b>	
Viscosity, kinematic	7.5 mm <sup>2</sup> /s
Symptoms/effects after skin contact	: May cause an allergic skin reaction.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life.

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<b>Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based (72623-87-1)</b>	
LC50 - Fish [1]	> 5000 mg/l Source: IUCLID
EC50 - Crustacea [1]	> 1000 mg/l Source: IUCLID
<b>Distillates, hydrotreated heavy paraffinic (64742-54-7)</b>	
LC50 - Fish [1]	> 5000 mg/l
EC50 - Crustacea [1]	> 1000 mg/l Source: IUCLID
EC50 96h - Algae [1]	> 1000 mg/l Source: IUCLID
<b>Tert-dodecylamine (Long-chain alkyl amine) (68955-53-3)</b>	
LC50 - Fish [1]	1.3 mg/l (96 h, Salmo gairdneri)
EC50 - Crustacea [1]	4.1 mg/l (48 h, Daphnia magna)
EC50 72h - Algae [1]	0.24 mg/l (Selenastrum capricornutum)
ErC50 algae	0.44 mg/l Source: ECHA

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

<b>Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based (72623-87-1)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.9 – 6 Source: IUCLID
<b>Distillates, hydrotreated heavy paraffinic (64742-54-7)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.9 – 6 Source: IUCLID
<b>Tert-dodecylamine (Long-chain alkyl amine) (68955-53-3)</b>	
Partition coefficient n-octanol/water (Log Pow)	4.16 (Estimated value)

### 12.4. Mobility in soil

No additional information 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
<b>14.1. UN number</b>			
Not regulated for transport			

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DOT	TDG	IMDG	IATA
<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
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based	72623-87-1	Present	Active	
Distillates, hydrotreated heavy paraffinic	64742-54-7	Present	Active	
Tert-dodecylamine (Long-chain alkyl amine)	68955-53-3	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.



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### 15.2. International regulations

#### CANADA

##### 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)

##### Tert-dodecylamine (Long-chain alkyl amine) (68955-53-3)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

##### 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

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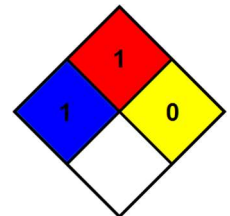
Revision date : 12/12/2022

Full text of H-statements	
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H402	Harmful to aquatic life

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Safety Data Sheet (SDS), USA

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