



# Safety Data Sheet

## Engine Oil Synthetic M 5W-40

Version 1.00

Revision Date 22.05.2019

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

**Product identifier**

**Trade name** Engine Oil Synthetic M 5W-40

**Synonyms** Synthetic Engine Oil

**Relevant identified uses of the substance or mixture and uses advised against**

**Use** Lubricant or lubricant additive

**Manufacturer or supplier's details**

**Company** Sasol Oil Pty (Ltd)

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2090  
South Africa

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+61 (2) 8014 4558 (Australia)

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### SECTION 2. Hazards identification

#### Classification of the substance or mixture

##### Globally Harmonized System

##### Classification

Reproductive toxicity	Category 1
Hazardous to the aquatic environment - acute hazard	Category 3
Hazardous to the aquatic environment - chronic hazard	Category 3
Skin corrosion/irritation	Category 3

#### Label elements

##### Pictogram



##### Signal word

Danger

##### Hazard statements

H360: May damage fertility or the unborn child.  
 H412: Harmful to aquatic life with long lasting effects.  
 H316: Causes mild skin irritation.

#### Precautionary statements

##### Prevention

P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P273: Avoid release to the environment.

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<b>Response</b>	P308 + P313: IF exposed or concerned: Get medical advice/ attention. P332 + P313: If skin irritation occurs: Get medical advice/ attention.
<b>Storage</b>	P405: Store locked up.
<b>Disposal</b>	P501: Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.
<b>Other hazards</b>	No data available

### SECTION 3. Composition/information on ingredients

#### Mixture

**Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified**

**Contents:** <= 71.00 %W/W

**CAS-No.** 64742-54-7

**Index-No.** 649-467-00-8

**EC-No.** 265-157-1

#### Mineral Oil

**Contents:** >= 15.62 - <= 18.72 %W/W

**CAS-No.**

**Index-No.**

**EC-No.**

**Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts**

**Contents:** >= 0.65 - <= 1.30 %W/W

**CAS-No.** 68649-42-3

**Index-No.**

**EC-No.** 272-028-3

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**phenol, (tetrapropenyl) derivatives**

**Contents:**  $\geq 0.04$  -  $\leq 0.20$  %W/W

**CAS-No.** 74499-35-7

**Index-No.** 604-092-00-9

**EC-No.**

**Hazard statements** *H360 H314 H318 H400 H410*

For the full text of the H-Statements mentioned in this Section, see Section 16.

### SECTION 4. First aid measures

#### Description of necessary first-aid measures

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen. Get medical attention/advice if you feel unwell.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

#### Most important symptoms/effects, acute and delayed

Refer to SECTION 11



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#### SECTION 5. Firefighting measures

<b>Suitable extinguishing media</b>	Water spray, Foam, CO <sub>2</sub> , Dry powder.
<b>Special hazards arising from the substance or mixture</b>	Under conditions of continuous exposure to heat, may burn. Under extreme conditions (e.g. confinement) could lead to detonation. Nitrogen oxides (NO <sub>x</sub> ) and carbon oxides are produced during combustion.
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit.

#### SECTION 6. Accidental release measures

<b>Personal precautions</b>	Use personal protective equipment. Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Try to prevent the material from entering drains or water courses.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Disposal and clean up may only be done by authorised personnel.
<b>Reference to other sections</b>	Refer to section 8 and 13

#### SECTION 7. Handling and storage



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<b>Safe handling advice</b>	Wear personal protective equipment. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Ensure adequate ventilation. Keep away from flames and sparks.
<b>Advice on protection against fire and explosion</b>	No data available
<b>Requirements for storage areas and containers</b>	Keep away from heat. Do not store near combustible materials.
<b>Advice on common storage</b>	No data available

## SECTION 8. Exposure controls/personal protection

### Components with workplace control parameters

#### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

### Exposure controls

#### Engineering measures

Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection** Gloves suitable for permanent contact:  
Material: butyl-rubber  
Break through time: 4 h  
Material thickness: 0.5 mm

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<b>Eye protection</b>	Safety goggles
<b>Skin and body protection</b>	lightweight protective clothing
<b>Hygiene measures</b>	Wash hands before breaks and immediately after handling the product.

## SECTION 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Form</b>	Liquid
<b>State of matter</b>	Liquid; at 20 ° C; 1,013 hPa
<b>Colour</b>	light brown
<b>Odour</b>	mild
<b>Odour Threshold</b>	No data available
<b>pH</b>	No data available
<b>Pour point</b>	< -30 ° C
<b>Initial boiling point and boiling range</b>	No data available
<b>Flash point</b>	> 200 ° C
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Auto-ignition temperature</b>	> 320 ° C
<b>Lower explosion limit</b>	No data available

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<b>Upper explosion limit</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Density</b>	0.897 g/cm <sup>3</sup> ; 20 ° C
<b>Water solubility</b>	emulsifiable
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Viscosity, kinematic</b>	14 mm <sup>2</sup> /s; 100 ° C

#### SECTION 10. Stability and reactivity

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	No data available
<b>Possibility of hazardous reactions</b>	Strong acids and oxidizing agents
<b>Conditions to avoid</b>	No data available
<b>Materials to avoid</b>	Combustible material
<b>Hazardous decomposition products</b>	Stable under normal conditions.

#### SECTION 11. Toxicological information

<b>Acute oral toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified:
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	LD50 Rat: > 2,000 mg/kg;
<b>Acute inhalation toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LC50 Rat: 4 h; 2.18 - 5.53 mg/l;
<b>Acute dermal toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LD50 Rabbit: > 2,000 mg/kg;
<b>Repeated dose toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Oral Rat; Lowest observed adverse effect level 125 mg/kg
<b>Repeated dose toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Dermal Rat; NOAEL Early embryonic development 30 - 2,000 mg/kg
<b>Repeated dose toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Dermal Mouse; NOAEL Early embryonic development 150 mg/kg
<b>Carcinogenicity</b>	Mineral oils are severely solvent refined or hydrotreated.

## SECTION 12. Ecological information

<b>Toxicity to fish</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: static test; Pimephales promelas; 96 h; LL50; > 100 mg/l;
<b>Toxicity to daphnia and other</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil -



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<b>aquatic invertebrates</b>	unspecified: No data available
<b>Toxicity to algae</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Algae72 h; > 100 mg/l;
<b>Toxicity to fish</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: No data available

## SECTION 13. Disposal considerations

<b>Product</b>	Dispose of in accordance with local regulations.
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## SECTION 14. Transport information

<b>Further Information</b>	Not classified as dangerous in the meaning of transport regulations.
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## SECTION 15. Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Canada. DSL - Domestic Substances List, part of CEPA</b>	<b>Components Not listed</b> Mineral Oil Phenol, (tetrapropenyl) derivs.
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<b>Australia. AICS - Australian Inventory of Chemical Substances</b>	<b>Components Not listed</b> Mineral Oil
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	Phenol, (tetrapropenyl) derivs.
<b>New Zealand Inventory of Chemical Substances</b>	<b>Components Not listed</b> Mineral Oil
<b>Japan. ENCS - Existing and New Chemical Substances Inventory</b>	<b>Components Not listed</b> Distillates (petroleum), hydrotreated heavy paraffinic Mineral Oil Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts Phenol, (tetrapropenyl) derivs.
<b>Japan. Industrial Safety and Health Law - Inventory</b>	<b>Components Not listed</b> Distillates (petroleum), hydrotreated heavy paraffinic Mineral Oil Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts Phenol, (tetrapropenyl) derivs.
<b>Korea. KECI - Korean Existing Chemicals Inventory</b>	<b>Components Not listed</b> Mineral Oil
<b>Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances</b>	<b>Components Not listed</b> Mineral Oil Phenol, (tetrapropenyl) derivs.
<b>China. IECSC - Inventory of Existing Chemical Substances in China</b>	<b>Components Not listed</b> Mineral Oil
<b>Taiwan. Chemical Substances Inventory (TCSI)</b>	<b>Components Not listed</b> Mineral Oil
<b>USA TSCA Inventory</b>	<b>Components Not listed</b> Mineral Oil



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### SECTION 16. Other information

#### Full text of H-Statements

- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H360 May damage fertility or the unborn child.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

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