



Safety Data Sheet

Engine Oil Synthetic I4 10W-40

Version 1.01

Revision Date 27.10.2022

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

Product identifier

Trade name

Engine Oil Synthetic I4 10W-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)

Address

Sasol Place, 50 Katherine Street
Sandton
2090
South Africa
+27860335444

Telephone

E-mail address

sasolchem.info.sa@sasol.com

Emergency telephone number

+44 (0)1235 239 670 (Europe, Israel, Africa, Americas)

+44(0)1235 239 671 (Middle East, Arabic African countries)

+65 3158 1074 (Asia Pacific)

+86 10 5100 3039 (China)

+27 (0)17 610 4444 (South Africa)

+61 (2) 8014 4558 (Australia)

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SECTION 2. Hazards identification

Classification of the substance or mixture

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

Classification This substance is not classified as hazardous according to GHS.

Label elements

Pictogram Not applicable

Signal word Not applicable

Hazard statements This substance is not classified as hazardous according to GHS.

Precautionary statements

Prevention This substance is not classified as hazardous according to GHS.

Response This substance is not classified as hazardous according to GHS.

Storage This substance is not classified as hazardous according to GHS.

Disposal P501: Dispose in compliance with local and national regulations.

Other hazards No data available

Additional advice The product does not need to be labelled in accordance with EC directives or respective national laws.

SECTION 3. Composition/information on ingredients

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Mixture

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

Contents: ≥ 70.00 %W/W

CAS-No. 64742-54-7

Index-No. 649-467-00-8

EC-No. 265-157-1

Hazard statements *H350*

Amines, Polyethylenepoly-, Reaction Products with 1,3-Dioxolan-2-one and Succinic Anhydride Monopolyisobutenyl Derivs.

Contents: 2.30 %W/W

CAS-No. 147880-90-8

Index-No.

EC-No.

Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts

Contents: 2.30 %W/W

CAS-No. 68784-31-6

Index-No.

EC-No. 272-238-5

Hazard statements *H318 H411*

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased

Contents: 1.15 %W/W

CAS-No. 68784-26-9

Index-No.

EC-No. 272-234-3

Hazard statements *H361*

Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts

Contents: 1.15 %W/W

CAS-No. 722503-68-6

Index-No.

EC-No.

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Reaction products of Benzeneamine, N-phenyl- with nonene (branched)

Contents: 1.15 %W/W

CAS-No. 36878-20-3

Index-No.

EC-No. 253-249-4

Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate

Contents: 1.15 %W/W

CAS-No. 125643-61-0

Index-No. 607-530-00-7

EC-No. 406-040-9

Hazard statements *H413*

Calcium Long Chain Alkaryl Sulfonate

Contents: 1.15 %W/W

CAS-No. 722503-69-7

Index-No.

EC-No.

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

Inhalation

Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Skin contact

Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. For thermal burns, cool affected areas as quickly as possible by immersing in water.

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	Consult a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately. If burns occur, treat as thermal burns.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting. Prevent vomiting if possible. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person.
Most important symptoms/effects, acute and delayed	
	Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Water spray. Foam. Dry powder. Carbon dioxide (CO ₂).
Special hazards arising from the substance or mixture	Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. Accidental release measures

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Personal precautions	Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist.
Environmental precautions	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste.
Reference to other sections	Refer to Section 8 and 13

SECTION 7. Handling and storage

Safe handling advice	Ensure adequate ventilation. Do not breathe vapours or spray mist. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Wear personal protective equipment.
Advice on protection against fire and explosion	Keep away from open flames, hot surfaces and sources of ignition.
Requirements for storage areas and containers	Keep containers tightly closed in a cool, well-ventilated place.
Advice on common storage	Keep away from oxidizing agents, and acidic or alkaline products.

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

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Exposure controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

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

Eye protection Safety glasses with side-shields

Skin and body protection Safety shoes Lightweight protective clothing Use protective skin cream before handling the product.

Hygiene measures Wash hands before breaks and immediately after handling the product.

SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

Form	Liquid
State of matter	Liquid; at 20 ° C; 1,013 hPa
Colour	Amber

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Odour Threshold	No data available
pourpoint	-27 ° C; ASTM D97
Flash point	238 ° C; ASTM D92
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	> 320 ° C
Relative vapour density	No data available
Density	0.860 g/cm ³ ; 20 ° C; ASTM D4052
Water solubility	Emulsifiable
Viscosity, kinematic	97 mm ² /s; ASTM D 445

SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None known.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Strong acids and oxidizing agents
Hazardous decomposition products	Carbon oxides. Hydrocarbons

SECTION 11. Toxicological information

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Acute oral toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LD50 Rat: 5,000 mg/kg;
Acute inhalation toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LC50 Rat: 4 h; 2.18 - 5.53 mg/l;
Acute dermal toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LD50 Rabbit: 2,000 - 5,000 mg/kg;
Repeated dose toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Oral Rat; Lowest observed adverse effect level 125 mg/kg
Repeated dose toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Dermal Rat; NOAEL Early embryonic development 30 - 2,000 mg/kg
Repeated dose toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Dermal Mouse; NOAEL Early embryonic development 150 mg/kg Lowest observed adverse effect level 100 mg/kg
Repeated dose toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Dermal Rabbit; NOAEL Early embryonic development 1,000 mg/kg
Carcinogenicity	Mineral oils are severely solvent refined or hydrotreated.

SECTION 12. Ecological information



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Mobility in soil	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified:
Results of PBT and vPvB assessment	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified:
Other adverse effects	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: There is no data available for this product.

SECTION 13. Disposal considerations

Product	Dispose of in accordance with local regulations.
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SECTION 14. Transport information

Further Information	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

USA TSCA Inventory

Components Not listed

Calcium Long Chain Alkaryl Sulfonate

Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl
derivs., calcium salts



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Canadian Domestic Substances List (DSL)

Components Not listed

Calcium Long Chain Alkaryl Sulfonate
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl
derivs., calcium salts

Australian Inv. of Chem. Substances (AICS)

All chemical constituents are listed in: Australian Inv. of Chem.
Substances (AICS) (See chapter 3)

New Zealand Inventory of Chemicals (NZIoC)

Components Not listed

Calcium Long Chain Alkaryl Sulfonate
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl
derivs., calcium salts

Jap. Inv. of Exist. & New Chemicals (ENCS)

Components Not listed

Distillates (petroleum), hydrotreated heavy paraffinic
Amines, Polyethylenepoly-, Reaction Products with 1,3-
Dioxolan-2-one and Succinic Anhydride Monopolyisobutenyl
Derivs.
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-
dimethylbutyl) esters, zinc salts
Calcium Long Chain Alkaryl Sulfonate
Phenol, dodecyl-, sulfurized, carbonates, calcium salts,
overbased
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl
derivs., calcium salts
Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-
hydroxyphenyl)propionate

Japan. Industrial Safety & Health Law (ISHL)

Components Not listed

Distillates (petroleum), hydrotreated heavy paraffinic
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Dioxolan-2-one and Succinic Anhydride Monopolyisobutenyl



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Derivs.

Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts

Calcium Long Chain Alkaryl Sulfonate

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased

Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts

Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate

Korea. Existing Chemicals Inventory (KECI)

Components Not listed

Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts

Calcium Long Chain Alkaryl Sulfonate

Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Components Not listed

Calcium Long Chain Alkaryl Sulfonate

Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts

China Inv. Existing Chemical Substances (IECSC)

Components Not listed

Calcium Long Chain Alkaryl Sulfonate

Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts

SECTION 16. Other information

Full text of H-Statements



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- H318 Causes serious eye damage.
- H350 May cause cancer.
- H361 Suspected of damaging fertility or the unborn child.
- H411 Toxic to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.

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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