



Safety Data Sheet

Engine Oil Multigrade RI4 15W-40

Version 1.00

Revision Date 31.07.2019

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

Product identifier

Trade name

Engine Oil Multigrade RI4 15W-40

Synonyms

Engine Oil, Multigrade Engine oil

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

Use

Lubricant or lubricant additive

Uses advised against

No data available

Manufacturer or supplier's details

Company

Sasol Oil Pty (Ltd)

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SECTION 2. Hazards identification

Classification of the substance or mixture

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Classification

This substance or mixture is not classified as hazardous according to GHS.



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Label elements

Signal word : Not applicable

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. Composition/information on ingredients

Mixture

Highly refined mineral oils and additives

Contents: ≥ 90.00 %W/W

| CAS-No. | Index-No. | EC-No. |
|---------|-----------|--------|
|---------|-----------|--------|

Polyamine succinimide

Contents: ≥ 1.00 - ≤ 5.00 %W/W

| CAS-No. | Index-No. | EC-No. |
|---------|-----------|--------|
|---------|-----------|--------|

Benzenesulfonic acid methyl-, mono C20-26 branched alkyl derivs., calcium salt

Contents: ≥ 1.00 - ≤ 3.90 %W/W

| CAS-No. 722503-69-7 | Index-No. | EC-No. |
|---------------------|-----------|--------|
|---------------------|-----------|--------|

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

Contents: ≥ 1.00 - ≤ 2.40 %W/W

| CAS-No. 68784-31-6 | Index-No. | EC-No. 272-238-5 |
|--------------------|-----------|------------------|
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Calcium Alkaryl Sulfonate

Contents: ≥ 0.10 - ≤ 0.90 %W/W

CAS-No.

Index-No.

EC-No.

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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 breathing is difficult, give oxygen. Get medical attention/advice if you feel unwell. |
| Skin contact | Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists. |
| Eye contact | Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice. |
| Ingestion | 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

SECTION 5. Firefighting measures

| | |
|--|--|
| Suitable extinguishing media | Water spray, Foam, CO2, Dry powder. |
| Special hazards arising from the substance or mixture | Under conditions of continuous exposure to heat, may burn. Under extreme conditions (e.g. confinement) could lead to detonation. Nitrogen oxides (NOx) and carbon oxides are produced during combustion. |
| Special protective equipment for firefighters | Wear self-contained breathing apparatus and protective suit. |

SECTION 6. Accidental release measures

| | |
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| Personal precautions | Use personal protective equipment. Handle in accordance with |
|-----------------------------|--|



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good industrial hygiene and safety practice.

- Environmental precautions** Prevent further leakage or spillage if safe to do so. Try to prevent the material from entering drains or water courses.
- Methods for cleaning up** 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.
- Reference to other sections** Refer to section 8 and 13

SECTION 7. Handling and storage

- Safe handling advice** 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.
- Advice on protection against fire and explosion** No data available
- Requirements for storage areas and containers** Keep away from heat. Do not store near combustible materials.
- Advice on common storage** 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

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| | |
|---------------------------------|---|
| 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 goggles |
| Skin and body protection | lightweight protective clothing |
| 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 | clear |
| Odour | Mild |
| Odour Threshold | No data available |
| pH | No data available |
| Pour point | -36 ° C; ASTM D97 |
| Boiling point/boiling range | No data available |
| Flash point | 230 ° C; ASTM D92 |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Auto-ignition temperature | > 320 ° C |
| Lower explosion limit | No data available |
| Upper explosion limit | No data available |
| Vapour pressure | No data available |
| Relative vapour density | No data available |
| Density | 0.888 g/cm ³ ; ASTM D4052 |
| Water solubility | Immiscible., Insoluble |

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| | |
|---|------------------------------------|
| Partition coefficient: n-octanol/water | No data available |
| Viscosity, kinematic | 109 mm ² /s; ASTM D 445 |

SECTION 10. Stability and reactivity

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

SECTION 11. Toxicological information

| | |
|----------------------------------|--|
| Acute oral toxicity | No data available |
| Acute inhalation toxicity | No data available |
| Acute dermal toxicity | No data available |
| Skin irritation | No data available |
| Carcinogenicity | Mineral oils are severely solvent refined or hydrotreated. |

SECTION 12. Ecological information

| | |
|--|-------------------|
| Toxicity to fish | No data available |
| Toxicity to daphnia and other aquatic invertebrates | No data available |
| Toxicity to algae | No data available |
| Toxicity to bacteria | No data available |

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.

SECTION 15. Regulatory information

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

Canada. DSL - Domestic Substances List, part of CEPA

Components Not listed

Highly refined mineral oils and additives
 Polyamine succinimide
 Benzenesulfonic acid methyl-, mono C20-26 branched alkyl derivs., calcium salt
 Calcium Alkaryl Sulfonate

Australia. AICS - Australian Inventory of Chemical Substances

Components Not listed

Highly refined mineral oils and additives
 Polyamine succinimide
 Calcium Alkaryl Sulfonate

New Zealand Inventory of Chemical Substances

Components Not listed

Highly refined mineral oils and additives
 Polyamine succinimide
 Benzenesulfonic acid methyl-, mono C20-26 branched alkyl derivs., calcium salt
 Calcium Alkaryl Sulfonate

Japan. ENCS - Existing and New Chemical Substances Inventory

Components Not listed

Highly refined mineral oils and additives
 Polyamine succinimide
 Benzenesulfonic acid methyl-, mono C20-26 branched alkyl derivs., calcium salt
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Japan. Industrial Safety and Health Law - Inventory

Components Not listed

Highly refined mineral oils and additives



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| | |
|--|---|
| | Polyamine succinimide Benzenesulfonic acid methyl-, mono C20-26 branched alkyl derivs., calcium salt Calcium Alkaryl Sulfonate |
| Korea. KECI - Korean Existing Chemicals Inventory | Components Not listed Highly refined mineral oils and additives Polyamine succinimide Benzenesulfonic acid methyl-, mono C20-26 branched alkyl derivs., calcium salt Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts Calcium Alkaryl Sulfonate |
| Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances | Components Not listed Highly refined mineral oils and additives Polyamine succinimide Benzenesulfonic acid methyl-, mono C20-26 branched alkyl derivs., calcium salt Calcium Alkaryl Sulfonate |
| China. IECSC - Inventory of Existing Chemical Substances in China | Components Not listed Highly refined mineral oils and additives Polyamine succinimide Benzenesulfonic acid methyl-, mono C20-26 branched alkyl derivs., calcium salt Calcium Alkaryl Sulfonate |
| Taiwan. Chemical Substances Inventory (TCSI) | Components Not listed Highly refined mineral oils and additives Polyamine succinimide Calcium Alkaryl Sulfonate |
| USA TSCA Inventory | Components Not listed Highly refined mineral oils and additives Polyamine succinimide Benzenesulfonic acid methyl-, mono C20-26 branched alkyl |



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derivs., calcium salt
Calcium Alkaryl Sulfonate

SECTION 16. Other information

Full text of H-Statements.

This substance contains no components with H-statement.

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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