



Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

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

Product identifier

Trade name Engine Oil Monograde 50

Synonyms Engine Oil, Crankcase 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

Telephone +27860335444

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)

Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

SECTION 2. Hazards identification

Classification of the substance or mixture

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

Classification

Reproductive toxicity

Category 2

Label elements

Pictogram



Signal word

Warning

Hazard statements

H361: Suspected of damaging fertility or the unborn child if swallowed.

Precautionary statements

Prevention

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P202: Do not handle until all safety precautions have been read and understood.

Response

P308 + P313: IF exposed or concerned: Get medical advice/ attention.

Storage

P405: Store locked up.

Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

| | |
|----------------------|--|
| Disposal | P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations. |
| Other hazards | No data available |

SECTION 3. Composition/information on ingredients

Mixture

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

Contents: 55.00 %W/W

CAS-No. 64742-54-7

Index-No. 649-467-00-8

EC-No. 265-157-1

Hazard statements *H304*

Mineral Oil

Contents: 43.00 %W/W

CAS-No.

Index-No.

EC-No.

Hazard statements *H304*

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

Contents: 0.70 %W/W

CAS-No. 722503-69-7

Index-No.

EC-No.

Hazard statements *H413*

Amines, polyethylenepoly-, reaction products with 1,3-dioxolan-2-one and succinic anhydride monopolyisobutenyl derivs.

Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

Contents: 0.60 %W/W

CAS-No. 147880-09-9

Index-No.

EC-No.

Hazard statements *H413*

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

Contents: 0.50 %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: 0.20 %W/W

CAS-No. 68784-26-9

Index-No.

EC-No. 272-234-3

Hazard statements *H361 H413*

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 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.



Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

| | |
|--------------------|--|
| 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, CO ₂ , 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 (NO _x) 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

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

Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

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

Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

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

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 | brown |
| Odour | mild |
| Odour Threshold | No data available |

Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

| | |
|---|--------------------------------|
| pH | No data available |
| Pour point | -12 ° C |
| Flash point | 240 ° C |
| 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 | 0.90 g/cm ³ |
| Water solubility | emulsifiable |
| Partition coefficient: n-octanol/water | No data available |
| Viscosity, kinematic | 220 mm ² /s; 40 ° C |

SECTION 10. Stability and reactivity

| | |
|---|-----------------------------------|
| Reactivity | Stable under normal conditions. |
| Chemical stability | No data available |
| Possibility of hazardous reactions | Strong acids and oxidizing agents |

Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

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



Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

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

| | |
|--|--|
| Toxicity to fish | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: 4 d; LL50; 100 mg/l; |
| Toxicity to daphnia and other aquatic invertebrates | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: No data available |
| Toxicity to algae | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: No data available |
| Toxicity to bacteria | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: No data available |

SECTION 13. Disposal considerations

| | |
|----------------|--|
| Product | Dispose of in accordance with local regulations. |
|----------------|--|

Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

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

Canadian Domestic Substances List (DSL)

Components Not listed

Mineral Oil

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

Amines, polyethylenepoly-, reaction products with 1,3-dioxolan-2-one and succinic anhydride monopolyisobutenyl derivs.

Australian Inv. of Chem. Substances (AICS)

Components Not listed

Mineral Oil

Amines, polyethylenepoly-, reaction products with 1,3-dioxolan-2-one and succinic anhydride monopolyisobutenyl derivs.

New Zealand Inventory of Chemicals (NZIoC)

Components Not listed

Mineral Oil

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

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

Components Not listed

Distillates (petroleum), hydrotreated heavy paraffinic

Mineral Oil

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



Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

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

Japan. Industrial Safety & Health Law (ISHL)

Components Not listed

Distillates (petroleum), hydrotreated heavy paraffinic Mineral Oil

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

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

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

Korea. Existing Chemicals Inventory (KECI)

Components Not listed

Mineral Oil

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

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Components Not listed

Mineral Oil

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

China Inv. Existing Chemical Substances

Components Not listed

Print Date 26.06.2023

100000006668

12/14

Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

(IECSC)

Mineral Oil

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

Taiwan. Chemical Substances Inventory (TCSI)

Components Not listed

Mineral Oil

USA TSCA Inventory

Components Not listed

Mineral Oil

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

Amines, polyethylenepoly-, reaction products with 1,3-dioxolan-2-one and succinic anhydride monopolyisobutenyl derivs.

SECTION 16. Other information

Full text of H-Statements

- H304 May be fatal if swallowed and enters airways.
- H318 Causes serious eye damage.
- H361 Suspected of damaging fertility or the unborn child if swallowed.
- 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.



Safety Data Sheet

Engine Oil Monograde 50

Version 1.01

Revision Date 26.06.2023

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.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.