



Safety Data Sheet

Gearbox Oil 80W-90

Version 1.01

Revision Date 06.10.2023

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

Product identifier

Trade name Gearbox Oil 80W-90

Synonyms Gear 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 South Africa: 0800 11 28 90; International: +27 17 610 4444

SECTION 2. Hazards identification

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Classification

Hazardous to the aquatic environment - chronic hazard Category 3

Skin sensitisation Category 1

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Label elements

Pictogram



Signal word

Warning

Hazard statements

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Precautionary statements

Prevention

P273: Avoid release to the environment.
P261: Avoid breathing mist or vapours.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves.

Response

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P333 + P317: If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364: Take off contaminated clothing and wash it before reuse.

Storage

This substance is not classified as hazardous according to GHS.

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

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Mixture

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

Contents: ≤ 88.30 %W/W

CAS-No. 64742-54-7

Index-No. 649-467-00-8

EC-No. 265-157-1

Mineral Oil

Contents: ≤ 7.00 %W/W

CAS-No.

Index-No.

EC-No.

Alkyl Phosphate

Contents: ≥ 0.02 - ≤ 0.11 %W/W

CAS-No.

Index-No.

EC-No.

Hazard statements *H314 H318 H412*

Long-chain alkyl amine

Contents: ≥ 0.11 - ≤ 0.22 %W/W

CAS-No.

Index-No.

EC-No.

Long-chain alkyl dithiothiadiazole

Contents: ≥ 0.02 - ≤ 0.11 %W/W

CAS-No.

Index-No.

EC-No.

Hazard statements *H317 H412*

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(Z)-octadec-9-enylamine

Contents: ≥ 0.02 - ≤ 0.11 %W/W

CAS-No. 112-90-3

Index-No. 612-283-00-3

EC-No. 204-015-5

Hazard statements *H302 H314 H318 H335 H373 H304
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

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

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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

Personal precautions	Use personal protective equipment. Handle in accordance with 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

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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

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

Hand protection Gloves suitable for permanent contact.:
Material: nitrile rubber/nitrile latex

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Break through time: > 8 h

Material thickness: 0.35 mm

Unsuitable gloves

Material: natural rubber/natural latex, polychloroprene, butyl-rubber, Polyvinylchloride

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	light brown
Odour	Mild
Odour Threshold	No data available.
pH	No data available.
Pour point	-27 ° C
Flash point	242 ° C
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.

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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	0.89 g/cm ³ ; 20 ° C
Water solubility	emulsifiable
Partition coefficient: n-octanol/water	No data available.
Viscosity, kinematic	145 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
Conditions to avoid	No data available.
Materials to avoid	Combustible material
Hazardous decomposition products	Stable under normal conditions.

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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 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.

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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.
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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

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

Canada. DSL - Domestic Substances List,
part of CEPA

Components Not listed

Mineral Oil
Long-chain alkyl amine
Alkyl Phosphate
Long-chain alkyl dithiothiadiazole

Australia. AICS - Australian Inventory of
Chemical Substances

Components Not listed

Mineral Oil
Long-chain alkyl amine
Alkyl Phosphate
Long-chain alkyl dithiothiadiazole

New Zealand Inventory of Chemical
Substances

Components Not listed

Mineral Oil
Long-chain alkyl amine
Alkyl Phosphate
Long-chain alkyl dithiothiadiazole

Japan. ENCS - Existing and New Chemical
Substances Inventory

Components Not listed

Distillates (petroleum), hydrotreated heavy paraffinic
Mineral Oil
Long-chain alkyl amine
Alkyl Phosphate
Long-chain alkyl dithiothiadiazole

Japan. Industrial Safety and Health Law -
Inventory

Components Not listed

Distillates (petroleum), hydrotreated heavy paraffinic
Mineral Oil
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Korea. KECI - Korean Existing Chemicals Inventory

Alkyl Phosphate
Long-chain alkyl dithiothiadiazole

Components Not listed

Mineral Oil
Long-chain alkyl amine
Alkyl Phosphate
Long-chain alkyl dithiothiadiazole

Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances

Components Not listed
Mineral Oil
Long-chain alkyl amine
Alkyl Phosphate
Long-chain alkyl dithiothiadiazole

China. IECSC - Inventory of Existing Chemical Substances in China

Components Not listed
Mineral Oil
Long-chain alkyl amine
Alkyl Phosphate
Long-chain alkyl dithiothiadiazole

Taiwan. Chemical Substances Inventory (TCSI)

Components Not listed
Mineral Oil
Long-chain alkyl amine
Alkyl Phosphate
Long-chain alkyl dithiothiadiazole

USA TSCA Inventory

Components Not listed
Mineral Oil
Long-chain alkyl amine
Alkyl Phosphate
Long-chain alkyl dithiothiadiazole

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SECTION 16. Other information

Full text of H-Statements

- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H412 Harmful 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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