



Safety Data Sheet

Hydraulic Gear Oil 150

Version 1.01

Revision Date 23.08.2023

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

Product identifier

Trade name

Hydraulic Gear Oil 150

Synonyms

Circulating and 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)

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+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.
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Label elements

Pictogram	Not applicable
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Signal word	Not applicable
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Hazard statements	This substance is not classified as hazardous according to GHS.
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Precautionary statements

Prevention	This substance is not classified as hazardous according to GHS.
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Response	This substance is not classified as hazardous according to GHS.
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Storage	No special storage conditions required.
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Disposal	This substance is not classified as hazardous according to GHS.
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Other hazards	No data available
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SECTION 3. Composition/information on ingredients

Mixture

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

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Contents: ≤ 77.50 %W/W

CAS-No. 64742-54-7

Index-No. 649-467-00-8

EC-No. 265-157-1

Hazard statements *H304*

Mineral Oil

Contents: ≤ 21.30 %W/W

CAS-No.

Index-No.

EC-No.

Hazard statements *H304*

Alkyl Phosphate

Contents: ≥ 0.01 - ≤ 0.05 %W/W

CAS-No.

Index-No.

EC-No.

Hazard statements *H314 H318 H412*

Long-chain alkyl amine

Contents: ≥ 0.05 - ≤ 0.10 %W/W

CAS-No.

Index-No.

EC-No.

Hazard statements *H330 H311 H302 H314 H317 H335
H400 H410*

Long-chain alkyl dithiothiadiazole

Contents: ≥ 0.01 - ≤ 0.05 %W/W

CAS-No.

Index-No.

EC-No.

Hazard statements *H317 H412*

(Z)-octadec-9-enylamine

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Contents: ≥ 0.01 - ≤ 0.05 %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

Refer to SECTION 11

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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

SECTION 7. Handling and storage

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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: butyl-rubber
Break through time: 4 h
Material thickness: 0.5 mm

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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
pourpoint	-15 ° C
Flash point	225 ° 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

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Vapour pressure	No data available
Relative vapour density	No data available
Density	0.89 g/cm ³ ; 20 ° C
Water solubility	Immiscible
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	150 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.

SECTION 11. Toxicological information

Acute oral toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified:
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	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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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

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

Canadian Domestic Substances List (DSL)	Components Not listed
	Mineral Oil

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	Long-chain alkyl amine Alkyl Phosphate Long-chain alkyl dithiothiadiazole
Australian Inv. of Chem. Substances (AICS)	Components Not listed Mineral Oil Long-chain alkyl amine Alkyl Phosphate Long-chain alkyl dithiothiadiazole
New Zealand Inventory of Chemicals (NZIoC)	Components Not listed Mineral Oil Long-chain alkyl amine Alkyl Phosphate Long-chain alkyl dithiothiadiazole
Jap. Inv. of Exist. & New Chemicals (ENCS)	Components Not listed Distillates (petroleum), hydrotreated heavy paraffinic Mineral Oil Long-chain alkyl amine Alkyl Phosphate Long-chain alkyl dithiothiadiazole
Japan. Industrial Safety & Health Law (ISHL)	Components Not listed Distillates (petroleum), hydrotreated heavy paraffinic Mineral Oil Long-chain alkyl amine Alkyl Phosphate Long-chain alkyl dithiothiadiazole
Korea. Existing Chemicals Inventory (KECI)	Components Not listed Mineral Oil

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	Long-chain alkyl amine Alkyl Phosphate Long-chain alkyl dithiothiadiazole
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Components Not listed Mineral Oil Long-chain alkyl amine Alkyl Phosphate Long-chain alkyl dithiothiadiazole
China Inv. Existing Chemical Substances (IECSC)	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

SECTION 16. Other information

Full text of H-Statements



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- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- 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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