



Safety Data Sheet

Electrical Insulating Oil 15

Version 1.00

Revision Date 24.10.2022

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

Product identifier

Trade name

Electrical Insulating Oil 15

Synonyms

Insulating Oil, Transformer Oil

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

Use

Lubricants and lubricant additives

Manufacturer or supplier's details

Company

Sasol Oil Pty (Ltd)

Address

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Sandton
2090
South Africa
+27860335444

Telephone

E-mail address

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Emergency telephone number

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

+65 3158 1074 (Asia Pacific)

+86 10 5100 3039 (China)

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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	Aspiration toxicity	Category 1

Label elements

Pictogram



Signal word Danger

Hazard statements H304: May be fatal if swallowed and enters airways.

Precautionary statements

Prevention No precautionary statement

Response P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P331: Do NOT induce vomiting.

Storage P405: Store locked up.

Disposal Dispose of contents/container in accordance with local regulation.

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Additional information Note L The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Other hazards No data available

SECTION 3. Composition/information on ingredients

Mixture

Distillates (petroleum), hydrotreated light naphthenic; Baseoil - unspecified

Contents: ≥ 50.00 - ≤ 100.00 %W/W

CAS-No. 64742-53-6

Index-No. 649-466-00-2

EC-No. 265-156-6

Hazard statements *H304*

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

Contents: ≤ 50.00 %W/W

CAS-No. 64742-55-8

Index-No. 649-468-00-3

EC-No. 265-158-7

Distillates (petroleum), solvent-refined light naphthenic

Contents: ≤ 5.00 %W/W

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CAS-No. 64741-97-5

Index-No. 649-458-00-9

EC-No. 265-098-1

Distillates (petroleum), solvent-refined heavy naphthenic

Contents: <= 5.00 %W/W

CAS-No. 64741-96-4

Index-No. 649-457-00-3

EC-No. 265-097-6

Bis(isopropyl)naphthalene

Contents: <= 2.50 %W/W

CAS-No. 38640-62-9

Index-No.

EC-No. 254-052-6

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. 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

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occur, treat as thermal burns.

Ingestion

If swallowed, seek medical advice immediately and show this SDS. 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 (CO₂).

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

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

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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.

Exposure controls

Engineering measures

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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 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 Threshold	No data available
pourpoint	-57 ° C
Flash point	145 ° C

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Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	> 300 ° C
Relative vapour density	No data available
Density	0.886 g/cm ³ ; 20 ° C
Water solubility	Emulsifiable
Viscosity, kinematic	9.3 mm ² /s; 40 ° C

SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Strong acids and oxidizing agents
Conditions to avoid	Keep away from open flames/hot surfaces. - No smoking.
Materials to avoid	Strong acids and oxidizing agents
Hazardous decomposition products	Carbon oxides. Hydrocarbons.

SECTION 11. Toxicological information

Acute oral toxicity	Distillates (petroleum), hydrotreated light naphthenic; Baseoil - unspecified:
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	LD50 Rat: 5,000 mg/kg;
Acute oral toxicity	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified: LD50 Oral Rat: 5,000 mg/kg;
Acute inhalation toxicity	Distillates (petroleum), hydrotreated light naphthenic; Baseoil - unspecified: LC50 Rat: 4 h; 2.18 - 5.53 mg/l;
Acute inhalation toxicity	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified: LC50 Rat: 4 h; 2.18 - 5.53 mg/l;
Acute dermal toxicity	Distillates (petroleum), hydrotreated light naphthenic; Baseoil - unspecified: LD50 Rabbit: 2,000 - 5,000 mg/kg;
Acute dermal toxicity	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified: LD50 Dermal Rabbit: 2,000 - 5,000 mg/kg;
Repeated dose toxicity	Distillates (petroleum), hydrotreated light naphthenic; Baseoil - unspecified: Oral Rat; LOAEL 125 mg/kg
Repeated dose toxicity	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified: Oral Rat; NOAEL 125 mg/kg
Repeated dose toxicity	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified: Dermal Rat; NOAEL 30 - 2,000 mg/kg
Repeated dose toxicity	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified:

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	Dermal Mouse; NOAEL 150 mg/kg
Repeated dose toxicity	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified: Dermal Rabbit; NOAEL 1,000 mg/kg
Repeated dose toxicity	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified: Dermal Mouse; LOAEL 100 mg/kg

SECTION 12. Ecological information

Toxicity to fish	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified: Fish; 4 d; LL50; 100 mg/l;
Toxicity to fish	Distillates (petroleum), solvent-refined light naphthenic: Fish; 4 d; LL50; 100 mg/l;
Other adverse effects	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

Registration, Evaluation and Authorisation of Chemicals (REACH)	All chemical constituents are listed in: Registration, Evaluation and Authorisation of Chemicals (REACH) (See chapter 3)
Inv. of Exist. Chem. Substances in China	Components Not listed Distillates (petroleum), hydrotreated light naphthenic
USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)
Canadian Domestic Substances List (DSL)	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
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)	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
Jap. Inv. of Exist. & New Chemicals (ENCS)	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
Japan. Industrial Safety & Health Law (ISHL)	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
Korea. Existing Chemicals Inventory (KECI)	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)



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China Inv. Existing Chemical Substances (IECSC)

All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

SECTION 16. Other information

Full text of H-Statements

H304 May be fatal if swallowed and enters airways.

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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