



Safety Data Sheet

Medium Grade Fuel Oil

Version 1.00

Revision Date 12.06.2023

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

Product identifier

Trade name Medium Grade Fuel Oil

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

Use Industrial use.

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	Flammable liquids	Category 3
	Aspiration hazard	Category 1
	Skin irritation	Category 2
	Acute inhalation toxicity	Category 4
	Germ cell mutagenicity	Category 1
	Carcinogenicity	Category 1
	Specific target organ toxicity - repeated exposure	Category 2
	Reproductive toxicity	Category 2
	Long-term (chronic) aquatic hazard	Category 1

Label elements

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Hazard pictograms



Signal word

:

Danger

Hazard statements

- :
- H226 Flammable liquid and vapour.
 - H304 May be fatal if swallowed and enters airways.
 - H315 Causes skin irritation.
 - H332 Harmful if inhaled.
 - H340 May cause genetic defects.
 - H350 May cause cancer.
 - H373 May cause damage to organs through prolonged or repeated exposure.
 - H361 Suspected of damaging fertility or the unborn child.
 - H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

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Prevention

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P240 Ground and bond container and receiving equipment.
- P241 Use explosion-proof electrical equipment.
- P242 Use non-sparking tools.
- P243 Take action to prevent static discharges.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P264 Wash hands thoroughly after handling.
- P261 Avoid breathing mist or vapours.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.

Response

- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P370+ P378 In case of fire: Use Dry chemical, CO₂, Water spray or fire-fighting foam to extinguish
- P301 + P316 IF SWALLOWED: Get emergency medical help immediately.
- P331 Do NOT induce vomiting.
- P302 + P352 IF ON SKIN: Wash with plenty of water.
- P332 + P317 If skin irritation occurs: Get medical advice/ attention.
- P362 + P364 Take off contaminated clothing and wash it before reuse.
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P317 Get medical help.
- P391 Collect spillage.

Storage

- P403 + P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

Disposal

- P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

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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

Fuel oil, heavy, high-sulfur; Heavy Fuel oil

Contents: ≥ 50.00 - ≤ 60.00 %W/W

CAS-No. 92045-14-2

Index-No. 649-042-00-7

EC-No. 295-396-7

Hazard statements *H350 H332 H361 H373 H410*

Distillates (petroleum), light catalytic cracked; Cracked gasoil

Contents: ≥ 40.00 - ≤ 50.00 %W/W

CAS-No. 64741-59-9

Index-No. 649-435-00-3

EC-No. 265-060-4

Hazard statements *H350 H340 H304 H315 H332 H373 H410*

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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 symptoms persist, call a physician.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. 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, CO2, Dry powder.
Special hazards arising from the substance or mixture	Flash back possible over considerable distance. 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
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	sources of ignition. Do not breathe vapours or spray mist.
Environmental precautions	Prevent product from entering drains. Prevent further leakage 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	Do not breathe vapours or spray mist. Wear personal protective equipment.
Advice on protection against fire and explosion	Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment.
Requirements for storage areas and containers	Keep containers tightly closed in a cool, well-ventilated place.
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

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
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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	Protective suit. Safety shoes.
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	Black
Odour Threshold	No data available.
pH	No data available.
pourpoint	10 ° C
Boiling point/boiling range	> 450 ° C
Flash point	50 ° C
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Auto-ignition temperature	No data available.
Lower explosion limit	No data available.
Upper explosion limit	No data available.
Vapour pressure	No data available.
Relative vapour density	No data available.
Density	No data available.
Water solubility	Insoluble
Partition coefficient: n-octanol/water	No data available.
Viscosity, kinematic	10 - 15 mm ² /s; 50 ° C

SECTION 10. Stability and reactivity

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Reactivity	No data available.
Chemical stability	No data available.
Possibility of hazardous reactions	No data available.
Conditions to avoid	Do not store next to heat source, in direct sunlight, or elevated storage temperature. Always close the lid.
Materials to avoid	Oxidizing agents. Acids and bases
Hazardous decomposition products	Carbon oxides.

SECTION 11. Toxicological information

Acute oral toxicity	Fuel oil, heavy, high-sulfur; Heavy Fuel oil: LD50 Rat: 5,270 mg/kg; (literature value)
Acute oral toxicity	Distillates (petroleum), light catalytic cracked; Cracked gasoil: LD50 Rat: > 2,000 mg/kg;
Acute inhalation toxicity	Distillates (petroleum), light catalytic cracked; Cracked gasoil: LC50 Rat: 4 h; 4.8 mg/l;
Acute dermal toxicity	Fuel oil, heavy, high-sulfur; Heavy Fuel oil: LD50 Rat: > 2,000 mg/kg; (literature value)
Acute dermal toxicity	Distillates (petroleum), light catalytic cracked; Cracked gasoil: LD50 Rabbit: > 2,000 mg/kg;
Skin irritation	Fuel oil, heavy, high-sulfur; Heavy Fuel oil: slight irritation
Skin irritation	Distillates (petroleum), light catalytic cracked; Cracked gasoil: Rabbit: moderately irritating; 4 h;

SECTION 12. Ecological information

Toxicity to fish	Fuel oil, heavy, high-sulfur; Heavy Fuel oil: Oncorhynchus mykiss; 96 h; LL50; 79 mg/l; (literature value)
Toxicity to fish	Distillates (petroleum), light catalytic cracked; Cracked gasoil: semi-static test; Danio rerio (zebra fish); 96 h; LC50; 7.3 mg/l; The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy).

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Toxicity to algae

Fuel oil, heavy, high-sulfur; Heavy Fuel oil:
Pseudokirchneriella subcapitata (algae) 72 h; EL50; 0.32 mg/l;
(literature value)

SECTION 13. Disposal considerations

Product

Dispose of in accordance with local regulations.

Packaging

Dispose of spent product packaging responsibly and lawfully
with due consideration for health, safety and the
environment.

SECTION 14. Transport information

DG Pictogram



ADR

UN number: 1993

Class: 3

Packaging group: III; F1;

Proper shipping name: FLAMMABLE LIQUID, N.O.S.
(Distillates (petroleum) light catalytic cracked)

RID

UN number: 1993

Class: 3

Packaging group: III; F1

Proper shipping name: FLAMMABLE LIQUID, N.O.S.
(Distillates (petroleum) light catalytic cracked)

ADNR

UN number: 1993

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Class: 3
Packaging group: III; F1
Proper shipping name: FLAMMABLE LIQUID, N.O.S.
 (Distillates (petroleum) light catalytic cracked)

IMDG

UN number: 1993
Class: 3
EmS: F-E, S-E
Packaging group: III
Proper shipping name: FLAMMABLE LIQUID, N.O.S.
 (Distillates (petroleum) light catalytic cracked)

ICAO/IATA

UN number : 1993
Class: 3
Packaging group: III
Proper shipping name: FLAMMABLE LIQUID, N.O.S.
 (Distillates (petroleum) light catalytic cracked)

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
 Fuel oil, heavy, high-sulfur

Australia. AICS - Australian Inventory of
Chemical Substances

All chemical constituents are listed in: Australia. AICS -
 Australian Inventory of Chemical Substances (See chapter 3)

New Zealand Inventory of Chemical
Substances

Components Not listed
 Fuel oil, heavy, high-sulfur
 Distillates (petroleum), light catalytic cracked

Japan. ENCS - Existing and New Chemical
Substances Inventory

Components Not listed
 Fuel oil, heavy, high-sulfur
 Distillates (petroleum), light catalytic cracked

Japan. Industrial Safety and Health Law -

Components Not listed

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Inventory	Fuel oil, heavy, high-sulfur Distillates (petroleum), light catalytic cracked
Korea. KECI - Korean Existing Chemicals Inventory	Components Not listed Fuel oil, heavy, high-sulfur
Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances	Components Not listed Fuel oil, heavy, high-sulfur
China. IECSC - Inventory of Existing Chemical Substances in China	Components Not listed Fuel oil, heavy, high-sulfur
Taiwan. Chemical Substances Inventory (TCSI)	Components Not listed Fuel oil, heavy, high-sulfur
USA TSCA Inventory	Components Not listed Fuel oil, heavy, high-sulfur

SECTION 16. Other information

Full text of H-Statements

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H340	May cause genetic defects.
H350	May cause cancer.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic 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



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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.

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.