



Safety Data Sheet

Low Sulphur Heavy Fuel Oil

Version 1.00

Revision Date 09.05.2023

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

Product identifier

Trade name

Low Sulphur Heavy 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		
	Carcinogenicity	Category 1A
	Flammable liquids	Category 4
	Germ cell mutagenicity	Category 1
	Acute inhalation toxicity	Category 4
	Skin irritation	Category 2
	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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REGULATION (EC) No 1272/2008

Hazard pictograms



Signal word

:

Danger

Hazard statements

:

H350 May cause cancer.
H340 May cause genetic defects.
H227 Combustible liquid.
H332 Harmful if inhaled.
H315 Causes skin irritation.
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

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing mist or vapours.
- P271 Use only outdoors or in a well-ventilated area.
- P264 Wash skin thoroughly after handling.
- P273 Avoid release to the environment.

Response

- P308 + P313 IF exposed or concerned: Get medical advice/ attention.
- P370+ P378 In case of fire: Use Dry chemical, CO₂, Water spray or fire-fighting foam to extinguish
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P332 + P317 If skin irritation occurs: Get medical advice/ attention.
- P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage

- P391 Collect spillage.
- P405 Store locked up.
- P403 Store in a well-ventilated place.

Disposal

- P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

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SECTION 3. Composition/information on ingredients

Mixture

Gas oils, hydrotreated; Gasoil - unspecified

Contents: >= 50.00 %W/W

CAS-No. 97862-78-7

Index-No. 649-238-00-2

EC-No. 308-128-1

Hazard statements *H350*

Distillates (petroleum), light catalytic cracked; Cracked gasoil

Contents: >= 12.50 %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*

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

Contents: >= 37.50 %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*

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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 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 occur, treat as thermal burns.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. 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.
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.

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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 or spillage if safe to do so.
Methods for cleaning up	Keep in suitable, closed containers for disposal.
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	Impervious gloves
Eye protection	Safety glasses with side-shields.
Skin and body protection	Safety shoes. 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	Black dark green Dark brown
Odour	Petroleum
Odour Threshold	No data available.
pH	No data available.
pourpoint	0 ° C
Boiling point/boiling range	> 450 ° C
Flash point	90 ° 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	0.94 g/cm ³ ; 20 ° C
Water solubility	Insoluble
Partition coefficient: n-octanol/water	No data available.



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Viscosity, kinematic 30 - 70 mm²/s; 50 ° C

SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Strong oxidizing agents.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Strong acids and oxidizing agents
Hazardous decomposition products	Stable under normal conditions.

SECTION 11. Toxicological information

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	Distillates (petroleum), light catalytic cracked; Cracked gasoil: LD50 Rabbit: > 2,000 mg/kg;
Skin irritation	Distillates (petroleum), light catalytic cracked; Cracked gasoil: Rabbit: moderately irritating; 4 h;
Eye irritation	No data available.
Sensitisation	No data available.
Repeated dose toxicity	No data available.
Further Information	No data available.

SECTION 12. Ecological information

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).
Toxicity to daphnia and other aquatic invertebrates	No data available.
Toxicity to algae	No data available.

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Toxicity to bacteria	No data available.
Toxicity to fish	No data available.
Chronic toxicity in aquatic invertebrates	No data available.

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:	3082
Class:	9
Packaging group:	III; M6;
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum) light catalytic cracked, Fuel oil, heavy)

RID

UN number:	3082
Class:	9
Packaging group:	III; M6
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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(Distillates (petroleum) light catalytic cracked, Fuel oil, heavy)

ICAO/IATA

UN number : 3082

Class: 9

Packaging group: III

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.

(Distillates (petroleum) light catalytic cracked, Fuel oil, heavy)

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

Gas oils, hydrotreated
Fuel oil, heavy, high-sulfur

Australia. AICS - Australian Inventory of
Chemical Substances

Components Not listed

Gas oils, hydrotreated

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

Gas oils, hydrotreated
Fuel oil, heavy, high-sulfur
Distillates (petroleum), light catalytic cracked

Japan. Industrial Safety and Health Law -
Inventory

Components Not listed

Gas oils, hydrotreated
Fuel oil, heavy, high-sulfur
Distillates (petroleum), light catalytic cracked

Korea. KECI - Korean Existing Chemicals
Inventory

Components Not listed

Fuel oil, heavy, high-sulfur

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Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances	Components Not listed Gas oils, hydrotreated Fuel oil, heavy, high-sulfur
China. IECSC - Inventory of Existing Chemical Substances in China	Components Not listed Gas oils, hydrotreated Fuel oil, heavy, high-sulfur
Taiwan. Chemical Substances Inventory (TCSI)	Components Not listed Gas oils, hydrotreated Fuel oil, heavy, high-sulfur
USA TSCA Inventory	Components Not listed Gas oils, hydrotreated 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



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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.

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.