



**sasol**

## Safety Data Sheet

### Low Sulphur Heavy Fuel Oil

Version 1.01

Revision Date 12.01.2018

#### 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**

+44 (0)1235 239 670 (Europe, Israel, Africa, Americas)

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

+65 3158 1074 (Asia Pacific)

+86 10 5100 3039 (China)

+27 (0)17 610 4444 (South Africa)

+61 (2) 8014 4558 (Australia)

#### SECTION 2. Hazards identification

**Classification of the substance or mixture**

Print Date 26.01.2018

100000006284

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### South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

#### Classification

Flammable liquids	Category 4
Skin corrosion/irritation	Category 2
Acute toxicity	Category 4
Carcinogenicity	Category 1
Reproductive toxicity	Category 2
Specific target organ toxicity - repeated exposure	Category 2
Hazardous to the aquatic environment - chronic hazard	Category 1

#### Label elements

##### Pictogram



##### Signal word

Danger

##### Hazard statements

H227: Combustible liquid.  
H315: Causes skin irritation.  
H332: Harmful if inhaled.  
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.

#### 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.

P264: Wash hands thoroughly after handling.

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof electrical/ ventilating/ lighting equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P271: Use only outdoors or in a well-ventilated area.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

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/ shower.

P370 + P378: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

### Storage

P405: Store locked up.

P403+P235: Store in a well-ventilated place. Keep cool.

### Disposal

P501: Dispose in compliance with local and national regulations.

### Other hazards

No data available

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## SECTION 3. Composition/information on ingredients

### Mixture

Gas oils, hydrotreated; Gasoil - unspecified

Contents:  $\geq 50.00$  %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:  $\geq 12.50$  %W/W

CAS-No. 64741-59-9

Index-No. 649-435-00-3

EC-No. 265-060-4

Hazard statements *H226 H304 H315 H332 H350 H373*  
*H410*

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

Contents:  $\geq 37.50$  %W/W

CAS-No. 92045-14-2

Index-No. 649-042-00-7

EC-No. 295-396-7

Hazard statements *H332 H350 H361 H373 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



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<b>Inhalation</b>	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.
<b>Skin contact</b>	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.
<b>Eye contact</b>	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.
<b>Ingestion</b>	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

<b>Suitable extinguishing media</b>	Water spray. Foam. Dry powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Special hazards arising from the substance or mixture</b>	Do not allow run-off from fire fighting to enter drains or water courses.



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<b>Special protective equipment for firefighters</b>	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
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#### SECTION 6. Accidental release measures

<b>Personal precautions</b>	Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist.
<b>Environmental precautions</b>	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Keep in suitable, closed containers for disposal.
<b>Reference to other sections</b>	Refer to Section 8 and 13

#### SECTION 7. Handling and storage

<b>Safe handling advice</b>	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.
<b>Advice on protection against fire and explosion</b>	Keep away from open flames, hot surfaces and sources of ignition.
<b>Requirements for storage areas and containers</b>	Keep containers tightly closed in a cool, well-ventilated place.
<b>Advice on common storage</b>	Keep away from oxidizing agents, and acidic or alkaline products.



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## SECTION 8. Exposure controls/personal protection

### Components with workplace control parameters

#### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

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#### Exposure controls

##### Engineering measures

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

##### Personal protective equipment

<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hand protection</b>	Impervious gloves
<b>Eye protection</b>	Safety glasses with side-shields
<b>Skin and body protection</b>	Safety shoes Lightweight protective clothing
<b>Hygiene measures</b>	Wash hands before breaks and immediately after handling the product.

## SECTION 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Form</b>	Liquid
<b>State of matter</b>	Liquid; at 20 ° C; 1,013 hPa



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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 <sup>3</sup> ; 20 ° C
Water solubility	Insoluble
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	30 - 70 mm <sup>2</sup> /s; 50 ° C

## SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions.
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<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None known.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Materials to avoid</b>	Strong acids and oxidizing agents
<b>Hazardous decomposition products</b>	Carbon oxides.Hydrocarbons

## SECTION 11. Toxicological information

<b>Acute oral toxicity</b>	Distillates (petroleum), light catalytic cracked; Cracked gasoil: LD50 Rat: > 2,000 mg/kg;
<b>Acute inhalation toxicity</b>	Distillates (petroleum), light catalytic cracked; Cracked gasoil: LC50 Rat: 4 h; 4.8 mg/l;
<b>Acute dermal toxicity</b>	Distillates (petroleum), light catalytic cracked; Cracked gasoil: LD50 Rabbit: > 2,000 mg/kg;
<b>Skin irritation</b>	Distillates (petroleum), light catalytic cracked; Cracked gasoil: Rabbit: moderately irritating; 4 h;
<b>Eye irritation</b>	No data available
<b>Sensitisation</b>	No data available
<b>Repeated dose toxicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Mutagenicity</b>	No data available  No data available;



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**Toxicity for reproduction** This information is not available.

**Further Information** This information is not available.

## SECTION 12. Ecological information

<b>Toxicity to fish</b>	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).
<b>Toxicity to daphnia and other aquatic invertebrates</b>	No data available
<b>Toxicity to algae</b>	No data available
<b>Toxicity to bacteria</b>	No data available
<b>Toxicity to fish</b>	No data available
<b>Chronic toxicity in aquatic invertebrates</b>	No data available
<b>Biodegradability</b>	Expected to be biodegradable
<b>Bioaccumulation</b>	No data available

## SECTION 13. Disposal considerations

**Product** Dispose of in accordance with local regulations.

## SECTION 14. Transport information

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#### 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,  
high sulphur)

#### RID

**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,  
high sulphur)

#### ADNR

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**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, high sulphur)

### 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, high sulphur)

## SECTION 15. Regulatory information

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

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<b>Canadian Domestic Substances List (DSL)</b>	<b>Components Not listed</b> Gas oil Fuel Oil, heavy, high sulphur
<b>Australian Inv. of Chem. Substances (AICS)</b>	<b>Components Not listed</b> Gas oil
<b>New Zealand Inventory of Chemicals (NZIoC)</b>	<b>Components Not listed</b> Fuel Oil, heavy, high sulphur Distillates (petroleum) light catalytic cracked
<b>Jap. Inv. of Exist. &amp; New Chemicals (ENCS)</b>	<b>Components Not listed</b> Gas oil Fuel Oil, heavy, high sulphur Distillates (petroleum) light catalytic cracked
<b>Japan. Industrial Safety &amp; Health Law (ISHL)</b>	<b>Components Not listed</b> Gas oil Fuel Oil, heavy, high sulphur Distillates (petroleum) light catalytic cracked
<b>Korea. Existing Chemicals Inventory (KECI)</b>	<b>Components Not listed</b> Fuel Oil, heavy, high sulphur
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>	<b>Components Not listed</b> Gas oil Fuel Oil, heavy, high sulphur
<b>China Inv. Existing Chemical Substances (IECSC)</b>	<b>Components Not listed</b> Gas oil Fuel Oil, heavy, high sulphur
<b>Taiwan. Chemical Substances Inventory</b>	<b>Components Not listed</b>



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(TCSI)

Gas oil  
Fuel Oil, heavy, high sulphur

USA TSCA Inventory

**Components Not listed**  
Gas oil  
Fuel Oil, heavy, high sulphur

## SECTION 16. Other information

### Full text of H-Statements

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H332 Harmful if inhaled.
- 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 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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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.