



Material Safety Data Sheet

Jet Fuel

Version 1.02

Revision Date 13.06.2012

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

Trade name	Jet Fuel
Synonyms	Jet Fuel, Synthetic Jet Fuel
Use	Aviation fuel
Company	Sasol Oil 32 Hill Street Randburg, 2125 Republic of South Africa
Information (Product safety)	Telephone: +27 11 889 7600 / 0860 72765 Fax: +27 11 889 7979 E-mail address msds.info@sasol.com
Emergency telephone number	Europe, Israel, Africa, Americas +44 (0)1235 239 670 Middle East, Arabic African countries +44 (0)1235 239 671 Asia Pacific +65 3158 1074 China +86 10 5100 3039 South Africa +27 (0)17 610 4444 Australia +61 2 9032 0460

2. Hazards identification

Identification of the risks

R10 Flammable.

R65 Harmful: may cause lung damage if swallowed.

3. Composition/information on ingredients

Preparation on the base:

Kerosine (petroleum); Straight run kerosine

Contents: > 74.00 %W/W

CAS-No. 8008-20-6

Symbol(s) Xn

Index-No. 649-404-00-4

R-pharse(s) -R65

EC-No. 232-366-4

propylbenzene

Contents: < 1.00 %W/W



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CAS-No. 103-65-1
Symbol(s) Xn, N

Index-No. 601-024-00-X **EC-No.** 203-132-9
R-phrase(s) -R10 -R37 -R51/53 -R65

Butyl benzene

Contents: < 1.00 %W/W

CAS-No. 104-51-8
Symbol(s)

Index-No.
R-phrase(s)

EC-No. 203-209-7

pentylbenzene

Contents: < 1.00 %W/W

CAS-No. 538-68-1
Symbol(s)

Index-No.
R-phrase(s)

EC-No. 208-701-5

hexylbenzene

Contents: < 1.00 %W/W

CAS-No. 1077-16-3
Symbol(s)

Index-No.
R-phrase(s)

EC-No. 214-070-7

heptylbenzene

Contents: < 1.00 %W/W

CAS-No. 1078-71-3
Symbol(s)

Index-No.
R-phrase(s)

EC-No. 214-084-3

octylbenzene

Contents: < 1.00 %W/W

CAS-No. 2189-60-8
Symbol(s)

Index-No.
R-phrase(s)

EC-No. 218-582-1

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. First aid measures

General advice

Immediate medical attention is required.

Inhalation

Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.



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Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.
Eye contact	Rinse immediately with plenty of running water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Call a physician immediately.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person or otherwise unable to swallow.

5. Firefighting measures

Suitable extinguishing media	Water spray, Dry powder, Foam
Specific hazards during firefighting	Flash back possible over considerable distance.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.
Further information	Cool containers / tanks with water spray.

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	Should not be released into the environment. 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.

7. Handling and storage

Handling

Safe handling advice	Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment.
Advice on protection against fire and explosion	Keep away from heat and sources of ignition. Use explosion-proof equipment.

Storage

Requirements for storage areas and containers	Keep containers tightly closed in a dry, cool and well-ventilated place.
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8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

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.

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 work breaks and immediately after handling the product.

Protective measures Wear suitable protective equipment.

9. Physical and chemical properties

Form	liquid
State of matter	liquid
Colour	Colourless
Odour	Hydrocarbon-like
Melting point/range	No data available
Boiling point/boiling range	ca. 158 °C
Flash point	min. 46 °C
Autoignition temperature	No data available



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Density	0.770 g/cm ³ ; 20 °C
Water solubility	Immiscible
Solubility in other solvents	Medium: Methanol; Completely miscible
Solubility in other solvents	Medium: Diethylether; Completely miscible
Solubility in other solvents	Medium: acetone-like; Completely miscible
Viscosity, kinematic	1.2 mm ² /s; 40 °C; ASTM D 445

10. Stability and reactivity

Materials to avoid	Oxidizing agents, Reducing agents
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11. Toxicological information

Acute oral toxicity	Kerosine (petroleum); Straight run kerosine: LD50 rat: > 5,000 mg/kg; (literature value)
Acute inhalation toxicity	Kerosine (petroleum); Straight run kerosine: LC50 rat: > 5 mg/l; ; 4 h(literature value)
Acute dermal toxicity	Kerosine (petroleum); Straight run kerosine: LD50 rabbit: > 2,000 mg/kg; (literature value)
Eye irritation	Kerosine (petroleum); Straight run kerosine: rabbit: not irritating; Draize Test; (literature value)
Sensitisation	Kerosine (petroleum); Straight run kerosine: Buehler Test guinea pig: ; Did not cause sensitization on laboratory animals.

12. Ecological information

Biodegradability	Kerosine (petroleum); Straight run kerosine: Expected to be biodegradable
Ecotoxicity effects	

13. Disposal considerations

Product	Dispose of as special waste in compliance with local and national regulations.
Contaminated packaging	Contaminated packaging should be emptied optimally and after being suitably cleaned returned for re-use., Store containers and offer for recycling of material when in accordance with the local



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regulations.

14. Transport information

ADR	UN number: 1863; Class: 3; Packaging group: III; F1; Description of the goods: FUEL, AVIATION, TURBINE ENGINE
RID	UN number: 1863; Class: 3; Packaging group: III; F1; Description of the goods: FUEL, AVIATION, TURBINE ENGINE
ADNR	UN number: 1863; Class: 3; Packaging group: III; F1; Description of the goods: FUEL, AVIATION, TURBINE ENGINE
IMDG	UN number: 1863; Class: 3; EmS: F-E, S-E; Packaging group: III; Description of the goods: FUEL, AVIATION, TURBINE ENGINE
ICAO/IATA	UN number : 1863; Class: 3; Packaging group: III; Description of the goods: Fuel, aviation, turbine engine

15. Regulatory information

Labelling



Regulatory base	1999/45/EC
Symbol(s)	Xn: Harmful
R-phrases(s)	R10: Flammable. R65: Harmful: may cause lung damage if swallowed.
S-phrases(s)	S43: In case of fire, use sand, dry chemical or alcohol-resistant foam. S60: This material and its container must be disposed of as hazardous waste. S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.



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Hazardous components which must be listed on the label Kerosine (petroleum); Straight run kerosine

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R10	Flammable.
R37	Irritating to respiratory system.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

All reasonable efforts were exercised to compile this SDS in accordance with ISO 11014 and ANSIZ400.1.1993. The SDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which the 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 the 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 as regards 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 the product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy or assume any liability for the incompleteness of the information contained herein or any advice given. The product is sold and risk passes in accordance with the specific terms and conditions of sale.

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