



Safety Data Sheet

Jet Fuel

Version 1.00

Revision Date 24.02.2020

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

Product identifier

Trade name Jet Fuel

Synonyms Aviation Turbine Fuel (Kerosene type) A-1, Jet A-1, Aviation Turbine Jet A-1, Semi Synthetic Jet A-1

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

Use Aviation fuel

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

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Classification	Flammable liquids	Category 3
	Aspiration hazard	Category 1
	Skin corrosion/irritation	Category 3
	Long-term (chronic) aquatic hazard	Category 3

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Label elements

Hazard pictograms

:



Signal word

:

Danger

Hazard statements

:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H316 Causes mild skin irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.

P273 Avoid release to the environment.

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Response	<p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P370+ P378 In case of fire: Use Dry chemical, CO2, Water spray or fire-fighting foam to extinguish</p> <p>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.</p> <p>P331 Do NOT induce vomiting.</p> <p>P332 + P313 If skin irritation occurs: Get medical advice/ attention.</p>
Storage	P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.
Disposal	P501 Dispose of contents/ container to an approved waste disposal plant.

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

kerosine (petroleum), hydrodesulfurized

Contents: <= 75.00 %W/W

CAS-No. 64742-81-0

Index-No. 649-423-00-8

EC-No. 265-184-9

Hazard statements *H304*

kerosine (petroleum), sweetened

Contents: <= 100.00 %W/W

CAS-No. 91770-15-9

Index-No. 649-427-00-X

EC-No. 294-799-5

Hazard statements *H304*

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Kerosine (Fischer Tropsch), full range, C8-16-branched and linear

Contents: <= 50.00 %W/W

CAS-No. 848301-66-6

Index-No.

EC-No. 481-670-5

Hazard statements *H304 H226*

indan

Contents: <= 5.00 %W/W

CAS-No. 496-11-7

Index-No.

EC-No. 207-814-7

1,2,3,4-tetrahydronaphthalene

Contents: <= 5.00 %W/W

CAS-No. 119-64-2

Index-No. 601-045-00-4

EC-No. 204-340-2

Hazard statements *H315 H319 H411*

propylbenzene

Contents: <= 5.00 %W/W

CAS-No. 103-65-1

Index-No. 601-024-00-X

EC-No. 203-132-9

Hazard statements *H226 H304 H335 H411*

butylbenzene

Contents: <= 10.00 %W/W

CAS-No. 104-51-8

Index-No.

EC-No. 203-209-7

pentylbenzene

Contents: <= 5.00 %W/W

CAS-No. 538-68-1

Index-No.

EC-No. 208-701-5



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hexylbenzene

Contents: ≤ 5.00 %W/W

CAS-No. 1077-16-3

Index-No.

EC-No. 214-070-7

heptylbenzene

Contents: ≤ 5.00 %W/W

CAS-No. 1078-71-3

Index-No.

EC-No. 214-084-3

octylbenzene

Contents: < 1.00 %W/W

CAS-No. 2189-60-8

Index-No.

EC-No. 218-582-1

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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. Call a physician immediately.
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 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.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Water spray. Dry powder. Foam.
Special hazards arising from the substance or mixture	Flash back possible over considerable distance.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

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	Should not be released into the environment. Prevent further

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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 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.

Requirements for storage areas and containers Keep containers tightly closed in a dry, cool and 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	Colourless
Odour	Hydrocarbon-like
Odour Threshold	No data available
pH	No data available
Freezing point	< -47 ° C
Boiling point/boiling range	ca. 135 - 295 ° C
Flash point	min. 38 ° C; ASTM D 93
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	0.770 - 0.836 g/cm ³ ; 20 ° C
Water solubility	negligible
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	0.9 - 1.4 mm ² /s; 40 ° C; ASTM D 445

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SECTION 10. Stability and reactivity

Reactivity	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
Chemical stability	No data available
Possibility of hazardous reactions	Finely dispersed particles form explosive mixtures with air. Reacts with the following substances: Strong acids and oxidizing agents
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. Reducing agents
Hazardous decomposition products	No data available

SECTION 11. Toxicological information

Acute oral toxicity	Kerosine (petroleum) sweetened: LD50 Oral Rat: male and female 5,000 mg/kg;
Acute inhalation toxicity	Kerosine (petroleum) sweetened: Rat: male and female; 4 h; 5.28 mg/l;
Acute dermal toxicity	Kerosine (petroleum) sweetened: LD50 Dermal Rabbit: male and female; 2,000 mg/kg;
Skin irritation	Kerosine (petroleum) sweetened: Rabbit: Not irritating; 4 h; No data available
Eye irritation	Kerosine (petroleum) sweetened: Rabbit: Not irritating Not irritating
Sensitisation	Kerosine (petroleum) sweetened: Buehler Test; Guinea pig: Not sensitizing;
Repeated dose toxicity	No data available
Carcinogenicity	No data available
Mutagenicity	No data available No data available;
Toxicity for reproduction	No data available. This information is not available.
Further Information	No data available



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SECTION 12. Ecological information

Toxicity to fish	Kerosine (petroleum) sweetened: semi-static test; <i>Oncorhynchus mykiss</i> (rainbow trout); 96 h; LL50; 2.5 mg/l;
Toxicity to daphnia and other aquatic invertebrates	Kerosine (petroleum) sweetened: static test; <i>Daphnia magna</i> (Water flea); 48 h; EL50; 1.4 mg/l
Toxicity to algae	Kerosine (petroleum) sweetened: static test; <i>Raphidocelis subcapitata</i> (freshwater green alga) 24 h; EL50; No data available
Toxicity to fish	Kerosine (petroleum) sweetened: <i>Oncorhynchus mykiss</i> (rainbow trout); ; 28 d0.098 mg/l

SECTION 13. Disposal considerations

Product	Dispose of as special waste in compliance with local and national regulations.
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SECTION 14. Transport information

ADR

UN number:	1863
Class:	3
Packaging group:	III; F1;
Proper shipping name:	FUEL, AVIATION, TURBINE ENGINE

RID

UN number:	1863
Class:	3
Packaging group:	III; F1
Proper shipping name:	FUEL, AVIATION, TURBINE ENGINE

IMDG

UN number:	1863
Class:	3
EmS:	F-E, S-E
Packaging group:	III



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Proper shipping name: FUEL, AVIATION, TURBINE ENGINE

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

Kerosine (petroleum), sweetened
C8-C16 branched and linear hydrocarbons (full range) –
Kerosine
indan
pentylbenzene
hexylbenzene
heptylbenzene
octylbenzene

Australia. AICS - Australian Inventory of
Chemical Substances

Components Not listed

Kerosine (petroleum), sweetened
C8-C16 branched and linear hydrocarbons (full range) –
Kerosine
indan
hexylbenzene
heptylbenzene
octylbenzene

New Zealand Inventory of Chemical
Substances

Components Not listed

Kerosine (petroleum), sweetened
C8-C16 branched and linear hydrocarbons (full range) –
Kerosine
hexylbenzene
heptylbenzene

Japan. ENCS - Existing and New Chemical
Substances Inventory

Components Not listed

Kerosine (petroleum), sweetened
Kerosine (petroleum), hydrodesulfurized
C8-C16 branched and linear hydrocarbons (full range) –
Kerosine



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indan

Japan. Industrial Safety and Health Law - Inventory

Components Not listed

Kerosine (petroleum), sweetened

Kerosine (petroleum), hydrodesulfurized

C8-C16 branched and linear hydrocarbons (full range) –

Kerosine

indan

Korea. KECI - Korean Existing Chemicals Inventory

Components Not listed

butylbenzene

indan

pentylbenzene

hexylbenzene

heptylbenzene

Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances

Components Not listed

Kerosine (petroleum), sweetened

indan

hexylbenzene

heptylbenzene

China. IECSC - Inventory of Existing Chemical Substances in China

Components Not listed

Kerosine (petroleum), sweetened

C8-C16 branched and linear hydrocarbons (full range) –

Kerosine

indan

octylbenzene

Taiwan. Chemical Substances Inventory (TCSI)

Components Not listed

Kerosine (petroleum), sweetened

USA TSCA Inventory

Components Not listed

Kerosine (petroleum), sweetened

SECTION 16. Other information



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Full text of H-Statements

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H411 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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