



Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 07.04.2022

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

Product identifier

Trade name

Synthetic Paraffinic Kerosene (SPK)

Synonyms

Sasol Synthetic Jet Fuel Component, Sasol HTFT-IPK, Kerosene, Kerosine, Jet Fuel Component, Fischer-Tropsch Iso-paraffinic Kerosene, Kerosene (Fischer-Tropsch), FT-IPK

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

Use

Industrial use. Research and development.

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
Aspiration hazard

Category 3
Category 1

Label elements

REGULATION (EC) No 1272/2008

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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.

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.

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 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P331 Do NOT induce vomiting.

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.

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.



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SECTION 3. Composition/information on ingredients

Substance

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

Contents: 100.00 %W/W

CAS-No. 848301-66-6

Index-No.

EC-No. 481-670-5

Hazard statements *H304 H226*



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SECTION 4. First aid measures

Description of necessary first-aid measures

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|---------------------|---|
| Inhalation | Move to fresh air in case of accidental inhalation of vapours. 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 | Dry powder. Foam. 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 | Wear self-contained breathing apparatus and protective suit. |

SECTION 6. Accidental release measures

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| Personal precautions | Use personal protective equipment. Ensure adequate ventilation. |
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| | |
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| Environmental precautions | Avoid subsoil penetration. Try to prevent the material from entering drains or water courses. |
| Methods for cleaning up | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). The material taken up must be disposed of in accordance with regulations. |
| Reference to other sections | Refer to section 8 and 13 |

SECTION 7. Handling and storage

| | |
|--|---|
| Safe handling advice | Wear personal protective equipment. Avoid contact with skin and eyes. |
| Advice on protection against fire and explosion | Take measures to prevent the build up of electrostatic charge. |
| 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

| | |
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| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment. |
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| Hand protection | Impervious gloves |
| Eye protection | If splashes are likely to occur, wear: Safety glasses with side-shields. |
| Skin and body protection | Protective suit. Safety shoes. Impervious gloves |
| 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 |
| Colour | Colourless |
| Odour | Hydrocarbon-like |
| Odour Threshold | No data available. |
| Melting point/range | < -20 ° C |
| Boiling point/boiling range | min. 157 - 268 ° C |
| Flash point | 40 ° C |
| Evaporation rate | No data available. |
| Flammability (solid, gas) | No data available. |
| Relative vapour density | No data available. |
| Density | 0.73 - 0.77 g/cm ³ ; 20 ° C |
| Water solubility | Immiscible |
| Partition coefficient: n-octanol/water | Pow: > 6.5 |
| Viscosity, kinematic | 1.5 mm ² /s; 40 ° C |

SECTION 10. Stability and reactivity

| | |
|---|---------------------------------|
| Reactivity | Stable under normal conditions. |
| Chemical stability | No data available. |
| Possibility of hazardous reactions | No data available. |
| Conditions to avoid | No data available. |

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| Materials to avoid | Strong acids and oxidizing agents |
| Hazardous decomposition products | No decomposition if stored normally. |

SECTION 11. Toxicological information

| | |
|----------------------------------|--|
| Acute oral toxicity | Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: LD50 Rat: > 5,000 mg/kg; The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy). |
| Acute inhalation toxicity | Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: LC50 Rabbit: > 5.2 mg/l; The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy). |
| Acute dermal toxicity | Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: LD50 Rabbit: > 2,000 mg/kg; The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy). |
| Skin irritation | slight irritation |
| Eye irritation | No eye irritation |
| Sensitisation | Does not cause skin sensitisation. |
| Inhalation | No data available. |
| Ingestion | May be fatal if swallowed and enters airways. |
| Further Information | Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy). |

SECTION 12. Ecological information

| | |
|--|--|
| Toxicity to daphnia and other aquatic invertebrates | Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: Daphnia (water flea); 48 h; EC50; > 1,000 mg/l(literature value) |
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| Biodegradability | Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: Expected to be biodegradable, The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy). |
| Bioaccumulation | No bioaccumulation is to be expected (log Pow <= 4). |
| Bioaccumulation | Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: Bioaccumulative potential |
| Mobility in soil | Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: |
| Results of PBT and vPvB assessment | Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: |
| Other adverse effects | Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: This product has no known ecotoxicological effects. The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy). |

SECTION 13. Disposal considerations

| | |
|------------------|--|
| Product | Dispose of product residue in accordance with the instructions of the person responsible for waste disposal. Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations. |
| Packaging | Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment. |

SECTION 14. Transport information

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DG Pictogram



ADR

UN number: 1223
Class: 3
Packaging group: III; F1;
Proper shipping name: KEROSENE

RID

UN number: 1223
Class: 3
Packaging group: III; F1
Proper shipping name: KEROSENE

ADNR

UN number: 1223
Class: 3
Packaging group: III; F1
Proper shipping name: KEROSENE

IMDG

UN number: 1223
Class: 3
EmS: F-E, S-E
Packaging group: III
Proper shipping name: KEROSENE

ICAO/IATA

UN number : 1223
Class: 3
Packaging group: III
Proper shipping name: KEROSENE

SECTION 15. Regulatory information



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

Canada. DSL - Domestic Substances List, part of CEPA

Components Not listed

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

Australia. AICS - Australian Inventory of Chemical Substances

Components Not listed

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

New Zealand Inventory of Chemical Substances

Components Not listed

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

Japan. ENCS - Existing and New Chemical Substances Inventory

Components Not listed

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

Japan. Industrial Safety and Health Law - Inventory

Components Not listed

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

Korea. KECI - Korean Existing Chemicals Inventory

All chemical constituents are listed in: Korea. KECI - Korean Existing Chemicals Inventory (See chapter 3)

Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances

All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)

China. IECSC - Inventory of Existing Chemical Substances in China

Components Not listed

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

Taiwan. Chemical Substances Inventory (TCSI)

All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)

USA TSCA Inventory

All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)

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SECTION 16. Other information

Full text of H-Statements

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

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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