



# Safety Data Sheet

## C7-C8 n-Paraffin

Version 1.00

Revision Date 02.02.2023

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

**Product identifier**

**Trade name** C7-C8 n-Paraffin

**Product code** 1442

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

**Use** Solvent. Industrial use.

**Manufacturer or supplier's details**

**Company** Sasol Chemicals, a division of Sasol South Africa Ltd

**Address** Sasol Place, 50 Katherine Street  
Sandton  
2090  
South Africa

**Telephone** +27103445000

**E-mail address** sasolchem.info.sa@sasol.com

**Supplier's details** Sasol (China) Chemical Co., Ltd

Nanjing Chemical Industry Park  
No.68, Fangshui Road  
Nanjing 210047  
China

**Telephone** +86 25 5839 1111

**E-mail address** info.sg@sasol.com

**Emergency Phone Number**

**Emergency telephone number** +44 (0)1235 239 670 (Europe, Israel, Africa, Americas)

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

+65 3158 1074 (Asia Pacific)

+86 400 120 6011 (China)

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

0800 112 890 RSA-Local only

+61 (2) 8014 4558 (Australia)

## SECTION 2. Hazards identification

### Classification of the substance or mixture

#### GHS Classification

**GHS Classification and Labeling: Follow GB 13690, GB 15258 and GB 30000.2 to GB 30000.29 (GHS 2011)**

Classification	Flammable liquids	Category 2
	Skin corrosion/irritation	Category 2
	Specific target organ toxicity - single exposure	Category 3
	Aspiration hazard	Category 1
	Long-term (chronic) aquatic hazard	Category 2

#### GHS label elements

Hazard pictograms



Signal word

: Danger

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Hazard statements	: <ul style="list-style-type: none"><li>H225 Highly flammable liquid and vapour.</li><li>H304 May be fatal if swallowed and enters airways.</li><li>H315 Causes skin irritation.</li><li>H336 May cause drowsiness or dizziness.</li><li>H411 Toxic to aquatic life with long lasting effects.</li></ul>
Precautionary statements	: <p><b>Prevention:</b></p> <ul style="list-style-type: none"><li>P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.</li><li>P233 Keep container tightly closed.</li><li>P240 Ground/bond container and receiving equipment.</li><li>P241 Use explosion-proof electrical/ ventilating/ lighting equipment.</li><li>P242 Use only non-sparking tools.</li><li>P243 Take precautionary measures against static discharge.</li><li>P264 Wash skin thoroughly after handling.</li><li>P271 Use only outdoors or in a well-ventilated area.</li><li>P273 Avoid release to the environment.</li><li>P280 Wear protective gloves/ eye protection/ face protection.</li><li>P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.</li></ul> <p><b>Response:</b></p> <ul style="list-style-type: none"><li>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</li><li>P331 Do NOT induce vomiting.</li><li>P332 + P317 If skin irritation occurs: Get medical advice/ attention.</li><li>P362 + P364 Take off contaminated clothing and wash it before</li></ul>

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reuse.

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

P302 + P352 IF ON SKIN: Wash with plenty of water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P301 + P316 IF SWALLOWED: Get emergency medical help immediately.

P319 Get medical help if you feel unwell.

P391 Collect spillage.

#### **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**

None known.

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### SECTION 3. Composition/information on ingredients

#### Chemical characterization

While this product is a cut, the alkane range is well defined and all of the alkanes that may fall within the range are known to be present. This product may be described as a blend of the following substances:

#### Heptane; n-Heptane

Contents: %W/W

CAS-No. 142-82-5

Index-No. 601-008-00-2

EC-No. 205-563-8

#### n-Octane

Contents: %W/W

CAS-No. 111-65-9

Index-No. 601-009-00-8

EC-No. 203-892-1

#### HAZARDOUS INGREDIENTS

#### Alkanes, C7-C8

Contents: 100.00 %W/W

CAS-No. 1174921-63-1

Index-No.

EC-No.

Hazard statements *H225 H315 H304 H336 H411*

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#### SECTION 4. First aid measures

##### Description of necessary first-aid measures

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. Consult a physician.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Call a physician immediately.
<b>Ingestion</b>	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

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<b>Suitable extinguishing media</b>	Foam. Dry powder.
<b>Special hazards arising from the substance or mixture</b>	Evacuate personnel to safe areas.
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit.

### 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>	Soak up with inert absorbent material and dispose of as hazardous waste.
<b>Reference to other sections</b>	Refer to Section 8 and 13

### SECTION 7. Handling and storage

<b>Safe handling advice</b>	Avoid inhalation of vapour or mist. Wear personal protective equipment.
<b>Advice on protection against fire and explosion</b>	Keep away from heat and sources of ignition. Use only explosion-proof equipment.

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**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

Components	Type	Control parameters	Update	Basis
N-HEPTANE	PC-TWA	500 mg/m <sup>3</sup>	03 2008	China OELs
N-HEPTANE	STEL	1,000 mg/m <sup>3</sup>	03 2008	China OELs
OCTANE	PC-TWA	500 mg/m <sup>3</sup>	2002	China OELs
OCTANE	STEL	750 mg/m <sup>3</sup>	2002	China OELs
OCTANE	PC-TWA	500 mg/m <sup>3</sup>	03 2008	China OELs

### 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.

**Hand protection** Gloves suitable for permanent contact.:  
Material: nitrile rubber/nitrile latex  
Break through time: > 8 h  
Material thickness: 0.35 mm



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Gloves suitable for permanent contact.:

Material: fluoro carbon rubber - FKM

Break through time: > 8 h

Material thickness: 0.4 mm

Gloves suitable for permanent contact.:

Material: polychloroprene

Break through time: < 1 h

Material thickness: 0.5 mm

Unsuitable gloves

Material: butyl-rubber, natural rubber/natural latex,

Polyvinylchloride

#### 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	Clear, colourless
Odour	Slight
Odour Threshold	No data available.

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<b>Melting point/range</b>	< -35 ° C
<b>Boiling point/boiling range</b>	94 - 128 ° C
<b>Flash point</b>	< 2 ° C; closed cup
<b>Evaporation rate</b>	No data available.
<b>Flammability (solid, gas)</b>	No data available.
<b>Auto-ignition temperature</b>	204 ° C
<b>Decomposition Temperature</b>	No data available.
<b>Lower explosion limit</b>	1.07 %(V)
<b>Upper explosion limit</b>	6.7 %(V)
<b>Vapour pressure</b>	11.997 kPa
<b>Relative vapour density</b>	4.42
<b>Density</b>	0.695 g/cm <sup>3</sup> ; 20 ° C
<b>Water solubility</b>	Immiscible, Insoluble
<b>Viscosity, kinematic</b>	0.66 mm <sup>2</sup> /s; 40 ° C

### SECTION 10. Stability and reactivity

<b>Reactivity</b>	No decomposition if used as directed.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None known.
<b>Conditions to avoid</b>	Direct sources of heat.

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**Materials to avoid** Oxidizing agents. Reducing agents.

**Hazardous decomposition products** Carbon oxides.

### SECTION 11. Toxicological information

<b>Acute oral toxicity</b>	Alkanes, C7-C8: LD50 Rat: > 5,840 mg/kg;
<b>Acute inhalation toxicity</b>	Alkanes, C7-C8: LC50 Rat: vapour; 23,300 mg/l;
<b>Acute dermal toxicity</b>	Alkanes, C7-C8: LD50 Rat: 2,920 mg/kg;
<b>Skin irritation</b>	Alkanes, C7-C8: Rabbit: Irritating;
<b>Eye irritation</b>	Alkanes, C7-C8: No eye irritation
<b>Sensitisation</b>	Alkanes, C7-C8: Not sensitizing;
<b>Repeated dose toxicity</b>	Alkanes, C7-C8: Inhalation Rat; NOAEL Early embryonic development 8,117 mg/l
<b>Mutagenicity</b>	Alkanes, C7-C8: In vitro tests did not show mutagenic effects; In vivo tests did not show mutagenic effects;
<b>Further Information</b>	May be fatal if swallowed and enters airways.

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### SECTION 12. Ecological information

<b>Toxicity to fish</b>	Alkanes, C7-C8: flow-through test; Oncorhynchus mykiss; 96 h; LL50; 3 - 10 mg/l; (literature value)
<b>Toxicity to fish</b>	Alkanes, C7-C8: Oncorhynchus mykiss; 96 h; NOEC; 3 mg/l;
<b>Toxicity to daphnia and other aquatic invertebrates</b>	Alkanes, C7-C8: Daphnia magna; 24 h; LC50; > 10 mg/l(literature value)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	Alkanes, C7-C8: Daphnia magna; 48 h; EL50; 4.6 - 10 mg/l(literature value)
<b>Toxicity to algae</b>	Alkanes, C7-C8: Raphidocelis subcapitata (freshwater green alga)72 h; EL50; 10 - 30 mg/l;
<b>Toxicity to bacteria</b>	Alkanes, C7-C8: Growth inhibition; Tetrahymena pyriformis; 48 h; 11.4 mg/l; ;
<b>Toxicity to fish</b>	Alkanes, C7-C8: flow through; Oncorhynchus mykiss (rainbow trout); ; 28 dNOELR; 0.574 mg/l
<b>Chronic toxicity in aquatic invertebrates</b>	Alkanes, C7-C8: Daphnia magna; ; 4 dNOELR; 1 mg/l
<b>Biodegradability</b>	Alkanes, C7-C8: Readily biodegradable.

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#### 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:	3295
Class:	3
Packaging group:	II; F1;
Proper shipping name:	HYDROCARBONS, LIQUID, N.O.S. (Alkanes, C7-C8)

RID

UN number:	3295
Class:	3

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**Packaging group:** II; F1

**Proper shipping name:** HYDROCARBONS, LIQUID, N.O.S.  
(Alkanes, C7-C8)

#### ADNR

**UN number:** 3295

**Class:** 3

**Packaging group:** II; F1

**Proper shipping name:** HYDROCARBONS, LIQUID, N.O.S.  
(Alkanes, C7-C8)

#### IMDG

**UN number:** 3295

**Class:** 3

**EmS:** F-E, S-D

**Packaging group:** II

**Proper shipping name:** HYDROCARBONS, LIQUID, N.O.S.  
(Alkanes, C7-C8)

**Marine pollutant** Marine pollutant

#### ICAO/IATA



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UN number : 3295

Class: 3

Packaging group: II

Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.  
(Alkanes, C7-C8)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Alkanes (C6 - C9)

Ship Type: 2

Pollution category: X

### SECTION 15. Regulatory information

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

Canada. DSL - Domestic Substances List, part of CEPA	All chemical constituents are listed in: Canada. DSL - Domestic Substances List, part of CEPA (See chapter 3)
Australia. AICS - Australian Inventory of Chemical Substances	All chemical constituents are listed in: Australia. AICS - Australian Inventory of Chemical Substances (See chapter 3)
New Zealand Inventory of Chemical Substances	All chemical constituents are listed in: New Zealand Inventory of Chemical Substances (See chapter 3)
Japan. ENCS - Existing and New Chemical Substances Inventory	All chemical constituents are listed in: Japan. ENCS - Existing and New Chemical Substances Inventory (See chapter 3)

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#### Japan. Industrial Safety and Health Law - Inventory

All chemical constituents are listed in: Japan. Industrial Safety and Health Law - Inventory (See chapter 3)

#### 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

All chemical constituents are listed in: China. IECSC - Inventory of Existing Chemical Substances in China (See chapter 3)

#### 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)

## SECTION 16. Other information

### Full text of H-Statements

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

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





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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.

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.