



Safety Data Sheet

C9-C11 n-paraffin

Version 1.03

Revision Date 06.07.2023

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

Product identifier

Trade name	C9-C11 n-paraffin
Synonyms	Hydrocarbons, C9-C11, n-Alkanes, <2% Aromatics
Product code	1443

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

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)
+86 400 120 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

REGULATION (EC) No 1272/2008

Classification	Flammable liquids	Category 3
	Aspiration hazard	Category 1
	Specific target organ toxicity - single exposure	Category 3

Label elements


REGULATION (EC) No 1272/2008

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Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	<p>H226 Flammable liquid and vapour.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H336 May cause drowsiness or dizziness.</p>
Precautionary statements		
Prevention		<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical/ ventilating/ lighting equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p>
Response		<p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.</p> <p>P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.</p> <p>P301 + P316 IF SWALLOWED: Get emergency medical help immediately.</p> <p>P331 Do NOT induce vomiting.</p> <p>P304 + P340 + P317 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.</p>
Storage		<p>P403 + P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p>
Disposal		<p>P501 Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.</p>
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:

n-Octane

Contents: %W/W
CAS-No. 111-65-9 **Index-No.** 601-009-00-8 **EC-No.** 203-892-1

Nonane

Contents: %W/W
CAS-No. 111-84-2 **Index-No.** **EC-No.** 203-913-4

Decane

Contents: %W/W
CAS-No. 124-18-5 **Index-No.** **EC-No.** 204-686-4

Undecane

Contents: %W/W
CAS-No. 1120-21-4 **Index-No.** **EC-No.** 214-300-6

HAZARDOUS INGREDIENTS

Alkanes, C8-11

Contents: 100.00 %W/W
CAS-No. **Index-No.** **EC-No.**
Hazard statements H226 H304 H336

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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. If symptoms persist, call a physician.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a physician.
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. 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	Foam. Water spray. Dry powder.
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	Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Try to prevent the material from entering drains or water courses.
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	Avoid inhalation of vapour or mist. Wear personal protective equipment.
Advice on protection against fire and explosion	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

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.

Hand protection Gloves suitable for permanent contact:
 Material: nitrile rubber/nitrile latex
 Break through time: > 8 h
 Material thickness: 0.35 mm
 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 Colourless
Odour Slight
Odour Threshold No data available.
Melting point/range -20 °C

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Boiling point/boiling range	130 - 210 °C
Flash point	42 °C; closed cup
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Auto-ignition temperature	210 °C
Decomposition Temperature	No data available.
Lower explosion limit	0.4 %(V)
Upper explosion limit	7.0 %(V)
Vapour pressure	3 hPa; 20 °C
Relative vapour density	No data available.
Density	0.728 g/cm ³ ; 20 °C
Water solubility	Insoluble, Immiscible
Viscosity, dynamic	0.845 mPa.s; 20 °C
Viscosity, kinematic	0.8 - 2.1 mm ² /s; 20 °C

SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Oxidizing agents. Reducing agents.
Hazardous decomposition products	Carbon oxides.

SECTION 11. Toxicological information

Acute oral toxicity	Alkanes, C8-11: LD50 Rat: > 5,000 mg/kg; OECD Test Guideline 401;
Acute inhalation toxicity	Alkanes, C8-11: LC50 Rat: 8 h; > 5,000 mg/l; OECD Test Guideline 403;
Acute dermal toxicity	Alkanes, C8-11: LD50 Rabbit: > 5,000 mg/kg; OECD Test Guideline 402;
Skin irritation	Alkanes, C8-11: No skin irritation
Eye irritation	Alkanes, C8-11: No eye irritation
Sensitisation	Alkanes, C8-11: Not sensitizing
Repeated dose toxicity	No data available.
Carcinogenicity	No data available.
Mutagenicity	Alkanes, C8-11: In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects;
Ingestion	May be fatal if swallowed and enters airways.
Further Information	May cause drowsiness or dizziness.

SECTION 12. Ecological information

Toxicity to fish	No data available.
Toxicity to daphnia and other aquatic invertebrates	No data available.

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Toxicity to algae	No data available.
Toxicity to bacteria	No data available.
Toxicity to fish	No data available.
Chronic toxicity in aquatic invertebrates	No data available.
Biodegradability	No data available.
Physico-chemical removability	No data available.
Bioaccumulation	No data available.
Results of PBT and vPvB assessment	This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

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:	III; F1;
Proper shipping name:	HYDROCARBONS, LIQUID, N.O.S. (Alkanes, C8-11)

RID	
UN number:	3295
Class:	3
Packaging group:	III; F1
Proper shipping name:	HYDROCARBONS, LIQUID, N.O.S. (Alkanes, C8-11)

ADNR	
UN number:	3295
Class:	3
Packaging group:	III; F1
Proper shipping name:	HYDROCARBONS, LIQUID, N.O.S. (Alkanes, C8-11)

IMDG	
UN number:	3295



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Class:	3
EmS:	F-E, S-D
Packaging group:	III
Proper shipping name:	HYDROCARBONS, LIQUID, N.O.S. (Alkanes, C8-11)
Marine pollutant	Not a Marine Pollutant
ICAO/IATA	
UN number :	3295
Class:	3
Packaging group:	III
Proper shipping name:	HYDROCARBONS, LIQUID, N.O.S. (Alkanes, C8-11)
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	n-Alkanes (C9 - C11) Ship Type: 3
	POLLUTION CATEGORY: Y

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)
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)



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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.

H336 May cause drowsiness or dizziness.

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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