



Safety Data Sheet

Sasol Natural Gas

Version 1.00

Revision Date 11.05.2023

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

Product identifier

Trade name Sasol Natural Gas

Synonyms Marsh Gas

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

Use 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 gases	Category 1
	Carcinogenicity	Category 1A
	Germ cell mutagenicity	Category 1

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Label elements

REGULATION (EC) No 1272/2008

Hazard pictograms



Signal word

: Danger

Hazard statements

- : H220 Extremely flammable gas.
H350 May cause cancer.
H340 May cause genetic defects.

Precautionary statements

Prevention

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P203 Obtain, read and follow all safety instructions before use.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response

- P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381 In case of leakage, eliminate all ignition sources.
P318 IF exposed or concerned, get medical advice.

Storage

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
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

HAZARDOUS INGREDIENTS

Methane

Contents: ≥ 87.00 - ≤ 88.00 %W/W

CAS-No. 74-82-8

Index-No. 601-001-00-4

EC-No. 200-812-7

Hazard statements *H220 H350 H340*

Ethane

Contents: ≥ 3.00 - ≤ 4.00 %W/W

CAS-No. 74-84-0

Index-No. 601-002-00-X

EC-No. 200-814-8

Hazard statements *H220 H350 H340*

propane

Contents: ≥ 2.00 - ≤ 3.00 %W/W

CAS-No. 74-98-6

Index-No. 601-003-00-5

EC-No. 200-827-9

Hazard statements *H220 H350 H340*

Nitrogen

Contents: ≥ 2.50 - ≤ 3.00 %W/W

CAS-No. 7727-37-9

Index-No.

EC-No. 231-783-9

Hazard statements *H280*

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SECTION 4. First aid measures

Description of necessary first-aid measures

Inhalation	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration.
Skin contact	Wash frost-bitten areas with plenty of water. Do not remove clothing. Do not rub affected area.
Eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

Treatment	In case of shortness of breath, give oxygen.
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SECTION 5. Firefighting measures

Suitable extinguishing media	Foam. Water spray. Dry powder.
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. Avoid skin contact with leaking liquid (danger of frostbite).
Environmental precautions	Prevent further leakage or spillage if safe to do so.
Reference to other sections	Refer to section 8 and 13

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SECTION 7. Handling and storage

Safe handling advice	Wear personal protective equipment. Observe special instructions applicable to compressed gases.
Advice on protection against fire and explosion	Keep away from heat and sources of ignition. Use only explosion-proof equipment.
Fire-fighting class	Fires involving gases.
Requirements for storage areas and containers	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from sources of ignition - No smoking. Keep away from heat. Provide safety relief.
Advice on common storage	Compressed gases should be stored in a separate safety storage area. Keep in a cool, well-ventilated place.

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

In use, may form flammable/explosive vapour-air mixture.

Personal protective equipment

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	Gloves suitable for permanent contact.: Material: Leather gloves, Wear insulated gloves.
Eye protection	Safety glasses with side-shields.
Skin and body protection	Protective suit. Safety shoes.

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SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

Form	Gaseous
State of matter	Gaseous; at 20 ° C; 1,013 hPa
Colour	Colourless
Odour	Odourless
Odour Threshold	No data available.
pH	No data available.
Melting point/range	No data available.
Boiling point/boiling range	-161 ° C
Flash point	-188 ° C
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Auto-ignition temperature	630 ° C
Decomposition	No data available.
Temperature	
Lower explosion limit	5 %(V); Lower flammability limit
Upper explosion limit	15 %(V); Upper flammability limit
Vapour pressure	No data available.
Relative vapour density	No data available.
Density	No data available.
Water solubility	slightly soluble
Partition coefficient: n-octanol/water	No data available.
Viscosity, dynamic	No data available.
Viscosity, kinematic	Not applicable.

SECTION 10. Stability and reactivity

Reactivity	No data available.
Chemical stability	No data available.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.

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Conditions to avoid	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Materials to avoid	Oxidizing agents. Acids. Flammable materials Nitrogen oxides (NOx) Halogenated compounds Air Hypoflourites
Hazardous decomposition products	Carbon dioxide. Carbon monoxide.

SECTION 11. Toxicological information

Sensitisation	No data available.
Repeated dose toxicity	No data available.
Carcinogenicity	The product may cause cancer.
Mutagenicity	In vitro tests showed mutagenic effects In vivo tests showed mutagenic effects;
Further Information	No data available.

SECTION 12. Ecological information

Toxicity to fish	No data available.
Toxicity to daphnia and other aquatic invertebrates	No data available.
Toxicity to algae	No data available.
Toxicity to bacteria	No data available.
Toxicity to fish	No data available.
Biodegradability	No data available.
Bioaccumulation	No data available.
Bioaccumulative potential	No data available.
Other adverse effects	No data available.
Biochemical Oxygen Demand (BOD)	No data available.
Chemical Oxygen Demand (COD)	No data available.

SECTION 13. Disposal considerations

Product	Dispose of in accordance with local regulations.
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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: 1971

Class: 2
1F;

Proper shipping name: NATURAL GAS, COMPRESSED

RID

UN number: 1971

Class: 2
1F

Proper shipping name: NATURAL GAS, COMPRESSED

ADNR

UN number: 1971

Class: 2
1F

Proper shipping name: NATURAL GAS, COMPRESSED

IMDG

UN number: 1971

Class: 2.1

EmS: F-D, S-U

Proper shipping name: NATURAL GAS, COMPRESSED

ICAO/IATA

UN number : 1971

Class: 2.1



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Proper shipping name: Natural gas, compressed

SECTION 15. Regulatory information

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

USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)
Canadian Domestic Substances List (DSL)	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
Australian Inv. of Chem. Substances (AICS)	All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)
New Zealand Inventory of Chemicals (NZIoC)	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
Jap. Inv. of Exist. & New Chemicals (ENCS)	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
Japan. Industrial Safety & Health Law (ISHL)	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
Korea. Existing Chemicals Inventory (KECI)	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)
China Inv. Existing Chemical Substances (IECSC)	All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

SECTION 16. Other information

Full text of H-Statements

- H220 Extremely flammable gas.
- H280 Contains gas under pressure; may explode if heated.



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H340 May cause genetic defects.

H350 May cause cancer.

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.

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.