



SASOL

Safety Data Sheet

Sasol Natural Gas

Version 2.00

Revision Date 08.05.2018

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 Gas

Address Sasol Place, 50 Katherine Street
Sandton
2090
South Africa

Telephone +27103445000

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

Emergency telephone number

SECTION 2. Hazards identification

Classification of the substance or mixture

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

Classification

Flammable gases

Category 1

Gases under pressure

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Label elements

Pictogram



Signal word

Danger

Hazard statements

H220: Extremely flammable gas.

H280: Contains gas under pressure; may explode if heated.

Precautionary statements

Prevention

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Response

P377: Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

P381: In case of leakage, eliminate all ignition sources.

Storage

P403: Store in a well-ventilated place.

P410 + P403: Protect from sunlight. Store in a well-ventilated place.

Disposal

Dispose of as special waste in compliance with local and national regulations.

Other hazards

No data available

SECTION 3. Composition/information on ingredients



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Mixture

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 H280*

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 H280*

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 H280*

Nitrogen Gas

Contents: ≥ 2.50 - ≤ 3.00 %W/W

CAS-No. 7727-37-9

Index-No.

EC-No. 231-783-9

Hazard statements *H280*

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. First aid measures

Description of necessary first-aid measures

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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
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(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

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

Components	Type	Control parameters	Update	Basis

Exposure controls

Engineering measures



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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
Eye protection	Safety glasses with side-shields.
Skin and body protection	Protective suit. Safety shoes.

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
Boiling point/boiling range	-161 ° C
Flash point	-188 ° C
Evaporation rate	No data available
Flammability (solid, gas)	No data available



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Auto-ignition temperature	630 ° C
Lower explosion limit	5 %(V); Lower flammability limit
Upper explosion limit	15 %(V); Upper flammability limit
Relative vapour density	No data available
Density	No data available
Water solubility	Slightly soluble
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.
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 (CO ₂).Carbon monoxide.

SECTION 11. Toxicological information



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Acute oral toxicity	No data available
Acute inhalation toxicity	No data available
Acute dermal toxicity	No data available
Skin irritation	No data available
Eye irritation	No data available
Sensitisation	No data available
Repeated dose toxicity	No data available
Carcinogenicity	No data available
Mutagenicity	No data available
	No data available;
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
Chronic toxicity in aquatic invertebrates	No data available
Biodegradability	Expected to be biodegradable



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Bioaccumulation No data available

Other adverse effects No data available

SECTION 13. Disposal considerations

Product Dispose of in accordance with local regulations.

SECTION 14. Transport information

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



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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

Proper shipping name: Natural gas, compressed

SECTION 15. Regulatory information

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

Registration, Evaluation and Authorisation of Chemicals (REACH)	Components Not listed
	Methane
	Ethane
	Nitrogen Gas
	Propane

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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)	Components Not listed Ethane Propane
Jap. Inv. of Exist. & New Chemicals (ENCS)	Components Not listed Nitrogen Gas
Japan. Industrial Safety & Health Law (ISHL)	Components Not listed Nitrogen Gas
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)	Components Not listed Methane Ethane Nitrogen Gas Propane

SECTION 16. Other information

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Full text of H-Statements

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

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.