



SASOL

Safety Data Sheet

Methane Rich Gas

Version 1.00

Revision Date 26.01.2017

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

Product identifier

Trade name Methane Rich Gas

Synonyms Synthitized Natural 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 (Pty) Ltd

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	Reproductive toxicity	Category 1A
	Specific target organ toxicity - repeated exposure	Category 1
	Acute toxicity	Category 3
	Flammable gases	Category 1

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Label elements

Pictogram



Signal word

Danger

Hazard statements

H360D: May damage the unborn child.

H220: Extremely flammable gas.

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

Precautionary statements

Prevention

P270: Do not eat, drink or smoke when using this product.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P281: Use personal protective equipment as required.

Response

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

P381: Eliminate all ignition sources if safe to do so.

P308 + P313: IF exposed or concerned: Get medical advice/ attention.

Storage

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

P405: Store locked up.

P403: Store in a well-ventilated place.

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

Other hazards No data available

SECTION 3. Composition/information on ingredients

Mixture

Methane

Contents: 82.10 %W/W

CAS-No. 74-82-8

Index-No. 601-001-00-4

EC-No. 200-812-7

Hazard statements *H220 H280*

Nitrogen Gas

Contents: 2.20 %W/W

CAS-No. 7727-37-9

Index-No.

EC-No. 231-783-9

Hazard statements *H280*

Argon Liquid

Contents: 11.50 %W/W

CAS-No. 7440-37-1

Index-No.

EC-No. 231-147-0

Hazard statements *H220 H220 H280*

Carbon Monoxide

Contents: 3.40 %W/W



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CAS-No. 630-08-0

Index-No. 006-001-00-2

EC-No. 211-128-3

Hazard statements *H360D H372 H331 H220 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

Inhalation	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Obtain medical attention.
Skin contact	Wash frost-bitten areas with plenty of water. Do not remove clothing.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes.
Most important symptoms/effects, acute and delayed	Refer to SECTION 11
Treatment	In case of shortness of breath, give oxygen.

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. Extremely flammable gas.

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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. Wear self-contained breathing apparatus and protective suit.

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 Observe special instructions applicable to compressed gases. Wear self-contained breathing apparatus and protective suit.

Advice on protection against fire and explosion Keep away from heat and sources of ignition. Use only explosion-proof equipment.

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



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NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
CARBON MONOXIDE	TWA	55 mg/m ³	1995	South Africa RELs
CARBON MONOXIDE	TWA	50 ppm	1995	South Africa RELs
	STEL	330 mg/m ³	1995	South Africa RELs
	STEL	300 ppm	1995	South Africa RELs

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

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

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State of matter	gaseous
Colour	Colourless
Odour	Odourless.
Odour Threshold	No data available
pH	No data available
Boiling point/boiling range	-160 ° C
Flash point	-185.2 ° C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	537 ° C
Lower explosion limit	5 %(V); lower flammability limit
Upper explosion limit	17 %(V); upper flammability limit
Relative vapour density	No data available
Density	No data available
Water solubility	Insoluble
Viscosity, kinematic	No data available

SECTION 10. Stability and reactivity

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

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reactions

Conditions to avoid Heat, flames and sparks.

Materials to avoid Oxidizing agents.

Hazardous decomposition products Carbon oxides.

SECTION 11. Toxicological information

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;
Toxicity for reproduction	This information is not available.
Further Information	No data available

SECTION 12. Ecological information

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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
Bioaccumulation	No data available
Other adverse effects	No data available

SECTION 13. Disposal considerations

Product	Dispose of as special waste in compliance with local and national regulations.
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SECTION 14. Transport information

ADR

UN number: 1954

Class: 2

1F;



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Proper shipping name: COMPRESSED GAS, FLAMMABLE, N.O.S.
(Methane, Carbon Monoxide)

RID

UN number: 1954

Class: 2
1F

Proper shipping name: COMPRESSED GAS, FLAMMABLE, N.O.S.
(Methane, Carbon Monoxide)

ADNR

UN number: 1954

Class: 2
1F

Proper shipping name: COMPRESSED GAS, FLAMMABLE, N.O.S.
(Methane, Carbon Monoxide)

IMDG

UN number: 1954



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Class: 2.1

EmS: F-D, S-U

Proper shipping name: COMPRESSED GAS, FLAMMABLE, N.O.S.
(Methane, Carbon Monoxide)

ICAO/IATA

UN number : 1954

Class: 2.1

Proper shipping name: Compressed gas, flammable, n.o.s.
(Methane, Carbon Monoxide)

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
Argon Liquid
Carbon Monoxide
Nitrogen Gas

USA TSCA Inventory

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

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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
Jap. Inv. of Exist. & New Chemicals (ENCS)	Components Not listed Argon Liquid Nitrogen Gas
Japan. Industrial Safety & Health Law (ISHL)	Components Not listed Argon Liquid 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 Argon Liquid Carbon Monoxide Nitrogen Gas

SECTION 16. Other information

Full text of H-Statements

H220 Extremely flammable gas.



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- H280 Contains gas under pressure; may explode if heated.
- H331 Toxic if inhaled.
- H360D May damage the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.

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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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