



## Safety Data Sheet

### Methane Rich Gas

Version 1.00

Revision Date 02.09.2011

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

<b>Trade name</b>	<b>Methane Rich Gas</b>
<b>Synonyms</b>	<b>Methane Rich Gas, Synthitized Natural Gas</b>
<b>Company</b>	Sasol Gas 272 Kent Avenue Ferndale, Randburg 1451
<b>Information (Product safety)</b>	<b>Telephone:</b> +27 (0) 11 889 9000 <b>Fax:</b> +27 (0) 11 889 9210 <b>E-mail address</b> <a href="mailto:msds.info@sasol.com">msds.info@sasol.com</a>
<b>Emergency telephone number</b>	Europe, Israel, Africa, Americas +44 (0)1235 239 670 Middle East, Arabic African countries +44 (0)1235 239 671 Asia Pacific +65 3158 1074 China +86 10 5100 3039 South Africa +27 (0)17 610 4444 Australia +61 2 9032 0460

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#### 2. Hazards identification

*Identification of the risks*

R61	May cause harm to the unborn child.
R20	Also harmful by inhalation.
R48/20	Also harmful: danger of serious damage to health by prolonged exposure through inhalation.
R12	Extremely flammable.

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#### 3. Composition/information on ingredients

**Preparation on the base:**

**methane**

**Contents:** 82.10 %W/W

**CAS-No.** 74-82-8  
**Symbol(s)** F+

**Index-No.** 601-001-00-4  
**R-phrase(s)** -R12

**EC-No.** 200-812-7

**carbon monoxide**



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**Contents:** 3.40 %W/W

**CAS-No.** 630-08-0  
**Symbol(s)** F+, T

**Index-No.** 006-001-00-2      **EC-No.** 211-128-3  
**R-phrase(s)** -R61 -R12 -R23 -R48/23

For the full text of the R-phrases mentioned in this Section, see Section 16.

#### 4. First aid measures

<b>General advice</b>	Extremely flammable liquefied gas
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Obtain medical attention.
<b>Skin contact</b>	Wash frost-bitten areas with plenty of water. Do not remove clothing.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes.

#### Notes to physician

<b>Treatment</b>	In case of shortness of breath, give oxygen.
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#### 5. Firefighting measures

<b>Suitable extinguishing media</b>	Foam, Water spray, Dry powder
<b>Specific hazards during firefighting</b>	Flash back possible over considerable distance. Extremely flammable gas.
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit.
<b>Further information</b>	Exposure to open flame or excessive heat can cause fire or explosion. LARGE FIRE: Do not extinguish a leaking gas flame unless leak can be stopped. Move containing vessels from fire if without risk. Use water spray, fog or foam. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

#### 6. Accidental release measures

<b>Personal precautions</b>	Keep people away from and upwind of spill/leak. Remove all sources of ignition. Wear self-contained breathing apparatus and protective suit.
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**Environmental precautions**

Prevent further leakage or spillage if safe to do so.

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## 7. Handling and storage

### Handling

**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.

### Storage

**Requirements for storage areas and containers**

Keep containers tightly closed in a dry, cool and well-ventilated place.

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## 8. Exposure controls/personal protection

### Components with workplace control parameters

#### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

#### EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

### 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**

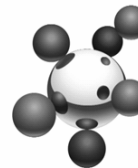
Protective suit, Safety shoes

**Protective measures**

Wear suitable protective equipment.

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## 9. Physical and chemical properties



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<b>State of matter</b>	<i>gaseous</i>
<b>Colour</b>	<i>Colourless</i>
<b>Odour</b>	<i>odourless</i>
<b>Boiling point/boiling range</b>	<i>-160 °C</i>
<b>Flash point</b>	<i>-185.2 °C</i>
<b>Autoignition temperature</b>	<i>537 °C</i>
<b>Lower explosion limit</b>	<i>5 %(V); lower flammability limit</i>
<b>Upper explosion limit</b>	<i>17 %(V); upper flammability limit</i>
<b>Water solubility</b>	<i>Insoluble</i>

#### 10. Stability and reactivity

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<b>Materials to avoid</b>	<i>Oxidizing agents</i>
<b>Hazardous decomposition products</b>	<i>Carbon oxides</i>
<b>Hazardous reactions</b>	<i>Hazardous polymerisation does not occur.</i>

#### 11. Toxicological information

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<b>Further information</b>	<i>No data available</i>
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#### 12. Ecological information

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<b>Ecotoxicity effects</b>	
<b>Further information</b>	<i>No data available</i>

#### 13. Disposal considerations

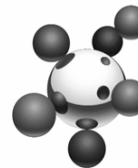
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<b>Product</b>	<i>Dispose of in accordance with local regulations.</i>
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#### 14. Transport information

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<b>ADR</b>	<i>UN number: 1954; Class: 2; 1F; Description of the goods: COMPRESSED GAS, FLAMMABLE, N.O.S. (Methane, Carbon Monoxide)</i>
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<b>RID</b>	UN number: 1954; Class: 2; 1F; Description of the goods: COMPRESSED GAS, FLAMMABLE, N.O.S. (Methane, Carbon Monoxide)
<b>ADNR</b>	UN number: 1954; Class: 2; 1F; Description of the goods: COMPRESSED GAS, FLAMMABLE, N.O.S. (Methane, Carbon Monoxide)
<b>IMDG</b>	UN number: 1954; Class: 2.1; EmS: F-D, S-U; Description of the goods: COMPRESSED GAS, FLAMMABLE, N.O.S. (Methane, Carbon Monoxide)
<b>ICAO/IATA</b>	UN number : 1954; Class: 2.1; Description of the goods: Compressed gas, flammable, n.o.s. (Methane, Carbon Monoxide)

## 15. Regulatory information

### Labelling



<b>Regulatory base</b>	1999/45/EC
<b>Symbol(s)</b>	F+: Extremely flammable T: Toxic
<b>R-phrase(s)</b>	R61: May cause harm to the unborn child. R20: Also harmful by inhalation. R48/20: Also harmful: danger of serious damage to health by prolonged exposure through inhalation. R12: Extremely flammable.
<b>S-phrase(s)</b>	S53: Avoid exposure - obtain special instructions before use.



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S 9: Keep container in a well-ventilated place.  
S16: Keep away from sources of ignition - No smoking.  
S33: Take precautionary measures against static discharges.  
S35: This material and its container must be disposed of in a safe way.  
S36/37: Wear suitable protective clothing and gloves.

**Special labelling of certain mixtures**

Restricted to professional users.

**Hazardous components which must be listed on the label**

carbon monoxide

## 16. Other information

*Full text of R-phrases referred to under sections 2 and 3*

R12	Extremely flammable.
R23	Toxic by inhalation.
R48/23	Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R61	May cause harm to the unborn child.

All reasonable efforts were exercised to compile this SDS in accordance with ISO 11014 and ANSIZ400.1.1993. The SDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which the 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 the 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 as regards 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 the product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy or assume any liability for the incompleteness of the information contained herein or any advice given. The product is sold and risk passes in accordance with the specific terms and conditions of sale.

The MSDS was created by: B.SHAMASE

The MSDS was approved by: P.Gravett



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