

 <b>SPECIALISTS IN GAS MIXTURES</b>	<b>SAFETY DATA SHEET</b>	Page : 1
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<b>25ppmH2S/100ppmCO/2.2%CH4/18%O2inN2 750L</b>	<b>4G18X2W25H100-750</b>	



## Warning



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

**Product identifier**  
 Trade name : 25ppmH2S/100ppmCO/2.2%CH4/18%O2inN2 750L  
 SDS Nr : 4G18X2W25H100-750  
 Use : Industrial and professional. Perform risk assessment prior to use.  
**Company identification**  
 : Scientific and Technical Gases Ltd  
 Units 1 + 2 Speedwell Road  
 Parkhouse Industrial Estate  
 ST5 7RG Newcastle Under Lyme, Staffordshire UNITED KINGDOM  
 Fax: +44 (0) 1782 564 906  
 Web: www.stigas.eu  
 : Tel 24hr: +44 (0) 870 190 6777

### 2 Hazards identification

#### Classification of the substance or mixture

**Hazard Class and Category Code**  
 Regulation EC 1272/2008 (CLP)  
 • Physical hazards : Gases under pressure - Compressed gas - Warning (H280)

#### Label elements

**Labelling Regulation EC 1272/2008 (CLP)**  
 • Hazard pictograms



- Hazard pictograms code
- Signal word : Warning
- Hazard statements : H280 : Contains gas under pressure; may explode if heated.
- Precautionary statements : P403 : Store in a well-ventilated place.
- Storage : None.
- Labelling EC 67/548 or EC 1999/45 Symbol(s)

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### 2 Hazards identification (continued)

R Phrase(s) : None.  
 S Phrase(s)  
 Other hazards : None.  
 Other hazards

### 3 Composition/Information on Ingredients

Substance / Preparation	Components	Substance name	Content	CAS No	EC No	Index No	Registration no	Classification
: Preparation. : This product is hazardous.	: Hydrogen sulphide	: Hydrogen sulphide	: 0.0025	: 7783-08-4	: 231-977-3	: 016-001-00-4	: NOTE 2	: F+ (H2S) : T+ (H2S) : N (H2S) : Aquatic Acute 1 (H400)
: 0.01	: Carbon monoxide	: Carbon monoxide	: 0.01	: 630-08-0	: 211-128-3	: 006-001-00-2	: NOTE 2	: F+ (H2C) : T+ (H2C) : N (H2C) : Aquatic Acute 1 (H400)
: 2.2	: Methane	: Methane	: 2.2	: 74-82-8	: 200-412-7	: 601-001-00-4	: NOTE 1	: F+ (H2) : T+ (H2) : N (H2) : Aquatic Acute 1 (H400)
: 18	: Oxygen	: Oxygen	: 18	: 7782-44-7	: 231-955-9	: 006-001-00-8	: NOTE 1	: O (H2) : Ox. Gas (H2O) : Press. Gas (H2O)
: 78.7875	: Nitrogen	: Nitrogen	: 78.7875	: 7723-37-9	: 231-753-9	: ----	: NOTE 1	: Press. Gas (H2O)

Full text of R-phrases see chapter 16  
 Full text of H-statements see chapter 16  
 Note 1: Listed in Annex IV / V REACH, exempted from registration.  
 Note 2: Registration deadline not expired.

### 4 First aid measures

- Inhalation : Not hazardous.
- Skin/eye contact : No effect on living tissue. Ingestion is not considered a potential route of exposure.
- Ingestion : Ingestion is not considered a potential route of exposure.

### 5 Fire-fighting measures

- Specific hazards : Exposure to fire may cause containers to rupture/explode. Supports combustion.
- Hazardous combustion products : None.
- Extinguishing media : All known extinguishants can be used.
- Suitable extinguishing media : If possible, stop flow of product. Move away from the container and cool with water from a protected position.
- Specific methods : None.
- Special protective equipment for fire fighters : None.

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**25ppmH2S/100ppmCO/2.2%CH4/18%O2inN2 750L**

**4G18X22WZ5H100-750**

## 14 Transport information (continued)

Avoid transport on vehicles where the load space is not separated from the driver's compartment.

Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency;

Before transporting product containers :

- Ensure that containers are firmly secured.
- Ensure cylinder valve is closed and not leaking.
- Ensure valve outlet cap nut or plug (where provided) is correctly fitted.
- Ensure valve protection device (where provided) is correctly fitted.
- Ensure there is adequate ventilation.
- Compliance with applicable regulations.

## 15 Regulatory information

**Safety, health and environmental** : Ensure all national/local regulations are observed.  
**regulations/legislation specific for the substance or mixture**

## 16 Other information

Receptacle under pressure.

List of full text of R-phrases in section 3.

- : R8 : Contact with combustible material may cause fire.
- : R12 : Extremely flammable.
- : R23 : Toxic by inhalation.
- : R26 : Very toxic by inhalation.
- : R48/23 : Toxic : danger of serious damage to health by prolonged exposure through inhalation.
- : R50 : Very toxic to aquatic organisms.
- : R61 : May cause harm to the unborn child.
- : H220 : Extremely flammable gas.
- : H270 : May cause or intensify fire; oxidiser.
- : H280 : Contains gas under pressure, may explode if heated.
- : H330 : Fatal if inhaled.
- : H331 : Toxic if inhaled.
- : H360 : May damage fertility or the unborn child.
- : H372 : Causes damage to organs through prolonged or repeated exposure.
- : H400 : Very toxic to aquatic life.

List of full text of H-statements in section 3.

This Safety Data Sheet has been established in accordance with the applicable European Directives and applies to all countries that have translated the Directives in their national laws.

### DISCLAIMER OF LIABILITY

: Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.  
Details given in this document are believed to be correct at the time of going to press. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.

End of document

## Scientific and Technical Gases Ltd

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gasdetection@honeywell.com  
www.honeywellanalytics.com

Delivery / Certificate No: 8130696354  
Date of Certificate: 08/03/2022

## Certificate of Conformity

**To:** ESM European Safety Maintenance  
Rue de la Providence 114  
MARCHIENNE-AU-PONT  
6030  
Belgium

**Customer Information:**  
Customer Number: 0000765798  
Customer PO: CFE 20220076  
Sales Order(s): 29170948

### Material Identification

Item	Material	Material Description	CoO	Qty	UOM	Agency	Certification
20	4G18X22W25H100-750	25ppmH2S-100ppmCO-2.2%CH4/1 8%O2inN2 750L	GB	1	EA		
30	FREIGHT-L2	Freight Charge		1	EA		

The seller certifies that the supplies detailed above were manufactured in the countries listed for each material and have been inspected and tested in accordance with the conditions and requirements of the contract as confirmed in the sellers acknowledgement of order, and unless otherwise noted above conform in all respects to the specification(s) and drawings as set out by seller.