

**1. Identification of the Substance/Preparation and of the Company**

MSDS Nr.	055	
Product name	2.5% Methane, 500 ppm Carbon Monoxide 50 ppm Hydrogen sulphide in Air 18% Oxygen	Pt. No. 99146
Company	Gas Measurement Instruments Ltd Inchinnan Estate Renfrew PA4 9RG	
Emergency phone number	0141 812 3211	

2. Composition/Information on Ingredients

Substance/Preparation	Preparation
Components/Impurities	Contains no other components or impurities which will influence the classification of the product
EEC Nr. (from EINECS)	Not applicable for preparations.

3. Hazards Identification

Hazards Identification	Compressed gas.
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4 First Aid Measures

Inhalation	Remove victim to uncontaminated area wearing self-contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped
Ingestion	Ingestion is not considered a potential route of exposure.

5. Fire Fighting Measures

Specific Hazards	Exposure to fire may cause container to rupture/explode.
Hazardous combustion products.	None
Suitable extinguishing media	All known extinguishants can be used.
Specific methods	If possible stop flow of product. Move container away or cool with water from a protected position.
Special protective equipment for fire fighters	In confined space use self-contained breathing apparatus.

6. Accidental Release Measures.

Personal precautions	Evacuate area Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Ensure adequate air ventilation.
Environmental precautions	Try to stop release.
Clean up methods	Ventilate area.

7. Handling and Storage

Handling and storage	Suck back of water into the container must be prevented. Do not allow backfeed into the container Use only properly specified equipment that is suitable for this product, its supply pressure and temperature. Contact GMI if in doubt. Refer to container's handling instructions. Keep container below 50°C in a well ventilated place.
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8. Exposure Controls / Personal Protection

Personal protection	Ensure adequate ventilation.
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9. Physical and Chemical Properties.

Relative density, gas.	Lighter or similar to air.
Solubility mg/l water	Not known, but considered to have low solubility.
Appearance / Colour	Colourless gas.
Odour.	Rotten eggs.

10. Stability and Reactivity

Stability and reactivity	Stable under normal conditions.
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11. Toxicological Information

General	OES – Carbon monoxide – 30 ppm – 8 hr TWA OES – Hydrogen Sulphide – 5 ppm – 8 hr TWA
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12. Ecological Information

General	No ecological damage caused by this product.
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13. Disposal Considerations.

General	Do not discharge into any place where its accumulation could be dangerous. Contact GMI if guidance is required. Empty cylinders may be returned for recycling or may be disposed of according to local regulations.
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14. Transport Information

UN Nr.	1956
ARD/RID Item Nr.	2.2
Labelling ADR	Label 2: Non flammable non toxic gas.



Other transport information	<p>Avoid transport on vehicles where the load space is not separated from the driver's compartment.</p> <p>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.</p> <p>Before transporting product ensure that they are firmly secured and:</p> <ul style="list-style-type: none">- cylinder valve is closed and not leaking;- valve outlet cap nut or plug (where provided) is correctly fitted;- valve protection device (where provided) is correctly fitted;- there is adequate ventilation;- compliance with the applicable regulations.
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15. Regulatory Information

Number in Annex 1 of Dir. 67/548	Not applicable for preparations.
EC Classification	Not classified as a dangerous substance.
Labelling of cylinders	
- Symbols	Label 2: Non flammable non toxic gas.
- Safety phrases.	S9 Keep container in well ventilated place S23 Do not breathe the gas.

16. Other Information

This product should only be used for the calibration of GMI instruments using the procedures laid out in the instrument manual.

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.

17. Revision History

Version 1.0 13 June 2011 C.G.Tandy