

SAFETY DATA SHEET - CALIBRATION CHECK GAS

PRODUCT: CARBON MONOXIDE/METHANE/HYDROGEN SULPHIDE/OXYGEN BALANCE NITROGEN PAGE: 1/3

SDS NO: 080B

Version: 4

Date: 07 February 2005

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

SDS NO: 080B

Product Name: $\leq 0.5\%$ Carbon Monoxide/ $\leq 2.5\%$ Methane/ ≤ 200 ppm Hydrogen Sulphide/
 $\leq 21\%$ Oxygen Balance Nitrogen (≥ 17 litres)

Company Identification: See heading and/or footer

2. COMPOSITION/INFORMATION OF INGREDIENTS

Substance/Preparation Preparation

Composition/Impurities Contains no other components or impurities, which will influence the classification of the product.

3. HAZARDS IDENTIFICATION

Hazards identification Compressed gas
Hydrogen Sulphide and Carbon Monoxide are both toxic by inhalation.
May impair fertility or cause harm to the unborn child

4. FIRST AID MEASURES

Inhalation In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim is not aware of asphyxiation. 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

Fire-fighting measures These containers hold gas under pressure, with no liquid phase. If involved in a major fire, they should be sprayed with water to avoid pressure increases, otherwise pressures will rise and ultimately they may distort or burst to release the contents. The gases will not add significantly to the fire, but containers or fragments may be projected considerable distances - thereby hampering fire-fighting efforts.

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SUPPLIER OF CALIBRATION PRODUCTS AND GAS DETECTION EQUIPMENT**

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6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures In terms of weight, these containers hold very little contents, such that any accidental release by puncturing etc. will be of no practical concern.

7. HANDLING AND STORAGE

Handling and Storage Ensure equipment is adequately earthed. Suck back of water into the container must be prevented. Do not allow back feed into the container. Use only properly specified equipment, which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Refer to supplier's container handling instructions. Keep container below 50°C in a well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection Ensure adequate ventilation. Do not smoke while handling product.
OELs – Hydrogen Sulphide STEL 10ppm LTEL 5ppm
Carbon Monoxide STEL 200ppm LTEL 30ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Relative density, gas	Lighter or similar to air
Solubility mg/l water	Not known
Appearance/Colour	Colourless gas
Odour	Rotten eggs

10. STABILITY AND REACTIVITY

Stability and reactivity Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

General Toxic by inhalation. Delayed adverse effects possible.

12. ECOLOGICAL INFORMATION

General No ecological damage caused by this product

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13. DISPOSAL INFORMATION

Disposal Do not discharge into any place where its accumulation could be dangerous. Used containers are acceptable for disposal in the normal waste stream, but Euro-Gas encourages the consumer to return cylinders.

14. TRANSPORT INFORMATION

Land transport ADR/RID
Sea transport IMDG
Air transport ICAO/IATA

UN number: UN1956
Proper Shipping Name: Compressed gas n.o.s. (contains nitrogen, oxygen)
Class: 2 (ADR) 2.2 (IMDG/IATA)
ADR classification code: 1A
Packing Group: N/A
Marine Pollutant: N/A

15. REGULATORY INFORMATION

Regulatory Information Following the HSE Approved Supply List (L129) and the UK's CHIP 2002 (as currently amended) Regulations -

Mixture is classified as non-toxic/ non-flammable.

16. OTHER INFORMATION

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

S53 Avoid exposure – obtain special instructions before use
S45 In case of accident or if you feel unwell seek medical advice immediately
S(2) Keep out of the reach of children
S9 Keep container in a well-ventilated place

This SDS has been prepared in accordance with the Chemicals (Hazard Information and Packaging for Supply Regulation 2002 (as currently amended). The information is based on the best knowledge of Euro-Gas Management Services Ltd., and its advisors and is given in good faith, but we cannot guarantee its accuracy, reliability or completeness and therefore disclaim any liability for loss or damage arising out of use of this data. Since conditions of use are outside the control of the Company and its advisors we disclaim any liability for loss or damage when the product is used for other purposes than it is intended.

SDS/080B/07th February 2005

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