



# SAFETY DATA SHEET

(According to EEC Directive 91/155/EEC and amendments)

## Calibration Gas 2 (Code 962-170)

### 7. HANDLING AND STORAGE

Handling: Observe good industrial hygiene practices.

Storage: Store in a cool fire-proof place.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation.

Occupational exposure limits:

<u>Chemical name:</u>	<u>Exposure limits:</u>	<u>Reference:</u>
Carbon dioxide	5000 ppm	ACGIH (USA, 2002), OSHA (USA, 2002), Danish TLV (2002)

Personal protection: Insulating gloves and goggles are recommended.  
In case of inadequate ventilation: Use suitable air-supplied respirator.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Colourless gas
<b>Odour:</b>	Pungent
<b>pH:</b>	Not available
<b>Melting point:</b>	Not available
<b>Boiling point:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Flash point:</b>	Not available
<b>Explosion properties:</b>	Not available
<b>Vapour pressure:</b>	Not available
<b>Vapour density:</b>	Not available
<b>Density:</b>	Not available
<b>Solubility:</b>	Not available
<b>Other:</b>	Not available

### 10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions/materials to avoid: Heating.

Hazardous decomposition products: None.

### 11. TOXICOLOGICAL INFORMATION

Inhalation: High atmospheric concentrations may cause oxygen deficiency.  
Inhalation of carbon dioxide may cause labored breathing, perspiration, severe breathing difficulties, headache, and dizziness.  
Atmospheric concentrations of carbon dioxide above 10% may cause unconsciousness and death.

Skin contact: In case of frostbite: redness, pain, and serious burns.

Eye contact: In case of frostbite: redness, pain, and impaired vision.

Ingestion: Not likely.

Long-term effects: None known.

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### 12. ECOLOGICAL INFORMATION

<u>Mobility:</u>	Evaporates.
<u>Degradability:</u>	Not relevant.
<u>Ecotoxicity:</u>	Carbon dioxide contributes to hothouse effect.

### 13. DISPOSAL CONSIDERATIONS

EWC-code (European Waste Catalogue):	16 05 05
Abfallschlüsselnummern in Austria (ÖNORM S2100):	59803
Dispose of in accordance with Local Authority Requirements.	

### 14. TRANSPORT INFORMATION

<u>UN-no.:</u> 1956	<u>Proper shipping name:</u> COMPRESSED GAS, N.O.S. (Nitrogen, Carbon Dioxide)	
<u>Sea (IMDG):</u>	<b>Class:</b> 2.2	<b>PG:</b> -
	<b>EmS:</b> F-C, S-V	
<u>Land (RID/ADR):</u>	<b>Class:</b> 2.2	
<u>Air (ICAO/IATA):</u>	<b>Class:</b> 2.2	<b>PG:</b> -

### 15. REGULATORY INFORMATION

<u>Labelling:</u>	An assessment by Radiometer Medical ApS on May 9, 2005 has shown that according to EEC Directives 67/548/EEC and 99/45/EEC, the product is not liable to classification and labelling.
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### 16. OTHER INFORMATION

<u>Limitations/Restrictions:</u>	The user must be instructed in the proper work procedure and be familiar with the contents of these instructions. This MSDS complies with the US ANSI standard (ANSI 2400.1-1993) and the international standard (ISO 11014-1).
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The information on this data sheet represents our current data and is accurate to the best of our knowledge as to the proper handling of this product under normal conditions and in accordance with the application specified on the packaging and/or technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Based on:  
Drawing No.: 28932-A4  
Version No.: 5

Prepared by:  
**RADIOMETER MEDICAL ApS**

Version No.: 1  
Revision date: May 9, 2005