

SAFETY DATA SHEET

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

Product Name:	CALIBRATION GAS 1, CODE 962-140
Intended use:	For in vitro diagnostic use.
Version:	1
Date:	May 9, 2005

Radiometer representative's name, address and telephone:

2. Composition/Information on Ingredients:

<u>Contains among others</u>	<u>CAS-No.</u>	<u>Content-%</u>	<u>Classification</u>
Carbon dioxide	124-38-9	5,61	-
Nitrogen	7727-37-9	74,63	-
Oxygen	7782-44-7	19,76	O;R8

3. Hazards Identification:

May cause frostbite due to rapid evaporation. Extensive exposure to carbon dioxide can cause severe breathing difficulties.

4. First-Aid Measures:

Inhalation:

Seek fresh air. If necessary, seek hospital and bring along these instructions.

Skin contact:

Frostbite: do not remove clothes, wash the skin with plenty of lukewarm water. Continue to rinse. Seek immediately medical advice.

Eye contact:

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Ingestion:

Do not induce vomiting. Let the injured drink water or milk and get medical attention.

5. Fire-fighting Measures:

The product is non-flammable.

Extinguishing media for surrounding materials: alcohol resistant foam, powder or water fog.

6. Accidental Release Measures:

If leakage occurs, turn off the supply and provide good ventilation. If necessary, use air-supplied breathing apparatus.

Leaking cylinders should be moved to an area with good ventilation.

7. Handling and Storage:

Avoid skin and eye contact. If skin contact is unavoidable, use protective gloves. See section 8.

In case of inadequate ventilation: use suitable air-supplied respirator.

Store in cool fire-proof place.

8. Exposure Controls and Personal Protection:

Occupational exposure limits:

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

Following personal protection is recommended, if necessary:

Respiratory protection: - Gloves: Insulating gloves Eye protection: E.g. goggles

9. Physical and Chemical Properties:

Appearance:	Colourless gas	Solubility-Water:	-
Odour:	Pungent	n-octanol/water:	-
pH:	-	Flash point:	-
Boiling point:	-	Autoignition:	-
Melting point:	-	Explosive properties:	-
Vapour pressure (20°C):	-	Viscosity (40°C):	-
Density:	-	Other data:	-

-: Means no data or not relevant

10. Stability and Reactivity:

Stable.
Avoid strong heating.

11. Toxicological Information:

Inhalation:

Inhalation of high concentrations of carbon dioxide may cause irritation of the respiratory tract, headache and dizziness.

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 to occur.

IARC:

Contains no substances classified by IARC.

12. Ecological Information:

The product evaporates. Carbon dioxide contributes to green house effect.

13. Disposal Considerations:

Cylinders must be returned to the dealer.

EWC-code (European Waste Catalogue): 16 05 05

Abfallschlüsselnummern in Austria (ÖNORM S2100): 59802

14. Transport Information:

UN-no: 1956; Proper shipping name: Compressed gas n.o.s. (Nitrogen, Oxygen)
IMDG: 2.2; EmS-no: F-C, S-V; ADR/RID: 2.2; ICAO/IATA: 2.2

15. Regulatory Information:

An assessment by Radiometer Medical ApS on May 9, 2005 has shown that according to EEC regulations 67/548/EEC and 99/45/EEC the product is not liable to classification and labelling.

16. Other Information:

The SDS complies with the US ANSI Standard (ANSI 2400.1-1993) and the international standard (ISO 11014-1).

Based on:
Drawing No.: 26017-A4
Version No.: 3

Prepared by: Radiometer Medical ApS