

SAFETY DATA SHEET

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

1. Identification of the substance/preparation and company:

Product Name:	CALIBRATION GAS FOR TCM4, CODE 962-188
Intended use:	Calibration Gas. For in vitro diagnostic use.
Version:	2
Date:	June 1, 2007

Distributor's name, address and telephone:

2. Hazards Identification:

May cause frostbite due to rapid evaporation. Extensive exposure may cause breathing difficulties.

3. Composition/Information on Ingredients:

Contains among others	ELINCS/EINECS	CAS-No.	Content-%	Classification
Carbon dioxide	204-696-9	124-38-9	7,5	-
Nitrogen	231-783-9	7727-37-9	71,6	-
Oxygen	231-9569	7782-44-7	20,9	O;R8

For the full text of the R-phrases see chapter 16.

4. First-Aid Measures:

Inhalation:

Move the person to fresh air and keep under observation. If necessary, seek hospital.

Skin contact:

Frostbite: do not remove clothes, but flush with plenty of lukewarm water. Seek hospital and continue flushing during transport.

Eye contact:

Promptly flush with plenty of lukewarm water. Remove any contact lenses and open eyelids widely. Seek hospital and continue flushing during transport. Bring along these instructions.

Ingestion:

Not likely to occur.
Immediately rinse mouth and drink plenty of water or milk. If discomfort continues, seek hospital and bring along these instructions.

5. Fire-fighting Measures:

The product is non-combustible.

Extinguishing media for surrounding materials: alcohol resistant foam, powder or water fog. Cool containers exposed to heat with water spray and remove container if possible.

Containers can burst violently when heated, due to excess pressure build-up.

6. Accidental Release Measures:

No specific measures.

Leaking cylinders should be moved to area with good ventilation. Disposal: see section 13.

7. Handling and Storage:

Avoid skin and eye contact. Observe good industrial hygiene practices.

Store in a cool fireproof place.

8. Exposure Controls and Personal Protection:

Occupational Exposure Standard, Threshold Limit Values (TLV):

Carbon dioxide 5000 ppm (ACGIH, USA, 2002; OSHA, USA, 2002;
Danish TLV, 2002)

Following personal protection is recommended, if necessary:

Respiratory protection: -

Gloves: -

Eye protection: -

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 density:	-	Viscosity (40°C):	-
Density:	-	Other data:	-

-: Means no data or not relevant

10. Stability and Reactivity:

Stable. Reacts violently with sodium, potassium and magnesium.

11. Toxicological Information:

Inhalation:

Excessive exposure to carbon dioxide may cause breathing difficulties, 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.

IARC:

Contains no substances classified by IARC.

12. Ecological Information:

The product evaporates. Carbon dioxide contributes to the greenhouse effect.

13. Disposal Considerations:

EWC-code (European Waste Catalogue): 20 03 01

Abfallschlüsselnummern in Austria (ÖNORM S2100): 59305

Containers can be disposed of as household waste.

14. Transport Information:

UN-nr: 1950; Proper shipping name: Aerosols

IMDG: 2.2; EmS: F-D, S-U; ADR/RID: 2.2; ICAO/IATA: 2.2

15. Regulatory Information:

An assessment by Radiometer Medical ApS on June 1, 2007 has shown that, according to EEC regulations 67/548/EEC and 99/45/EEC, the product is not liable to classification and labelling.

Contents under pressure. Protect from sunlight and do not expose to temperatures exceeding 50°C (122°F). Do not pierce or burn, not even after use. Do not spray on a naked flame or any incandescent material.

16. Other Information:

The given R-phrases in chapter 2 are to read as follows:

R8: Contact with combustible material may cause fire

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

Based on:

Drawing No.: A4-33585

Version No.: 2

Prepared by: Radiometer Medical ApS