

SAFETY DATA SHEET

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

1. Identification of the substance/preparation and company:

Product Name:	S1837 CAL 2, CODE 944-134
Intended use:	Calibration solution. For in vitro diagnostic use.
Version:	3
Date:	August 31, 2007

Distributor's name, address and telephone no.:

Radiometer America Inc.
810 Sharon Drive
Westlake OH 44145
440-871-8900
800-535-5053 (Emergency)

2. Hazards Identification:

The liquid in chamber 1 is not classified as dangerous.

The powder in chamber 2 is not classified as dangerous.

The powder in chamber 2 mixed with the liquid in chamber 1 is not classified as dangerous.

3. Composition/Information on Ingredients:

Contains among other things:	ELINCS/EINECS	CAS-No.	Content-%	Classification
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The product consists of two chambers. Chamber 1 contains liquid and chamber 2 contains a powder.

Chamber 1:

N-(2-hydroxyethyl)piperazine-N'-(2-ethanesulphonic acid)	230-907-9	7365-45-9	1-3	-
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Chamber 2:

Creatine Anhydrous	200-306-6	57-00-1	3-5	Xi;R36/37/38
Urea	200-315-5	57-13-6	80-90	-
Dextran	232-677-5	9004-54-0	10-15	-

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

4. First-Aid Measures:

Inhalation:

Fresh air.

Skin contact:

Wash the skin with soap and water. Use suitable lotion to moisturise skin. Get medical attention if any discomfort continues.

Eye contact:

Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Seek 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. Toxic gasses may be liberated in case of fire. Avoid inhalation of vapours.

6. Accidental Release Measures:

Prevent access to drains, sewers, waterways and soil.

Larger amounts of wasted powder are collected. Waste of liquid is covered/absorbed with sand or other absorption material.

Disposal: see section 13.

7. Handling and Storage:

Avoid inhalation of the powder.

Avoid contact with skin and eyes. If skin contact is unavoidable, use protective gloves as described in section 8 below.

Store in closed original containers.

8. Exposure Controls and Personal Protection:

Occupational Exposure Standard, Threshold Limit Values (TLV):

None.

Following personal protection is recommended, if necessary:

Respiratory protection: -

Gloves: Rubber

Eye protection: -

9. Physical and Chemical Properties:

Appearance:	Liquid/powder	Solubility-Water:	Soluble
Odour:	-	n-octanol/water:	-
pH:	-	Flash point:	-
Boiling point:	-	Auto ignition:	-
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.

11. Toxicological Information:

Inhalation:

Inhalation of dust from the powder may cause slight irritation to the respiratory system.

Skin contact:

The liquid and powder may cause slight irritation of the skin.

Eye contact:

The liquid and powder may cause irritation of the eyes.

Ingestion:

May cause irritation, nausea and maybe vomiting.

IARC:

Contains no substances classified by IARC.

12. Ecological Information:

There is no data available for the product itself.

Do not allow contaminating drains, sewers or water courses.

WGK (Germany): 1

13. Disposal Considerations:

EWC-code (European Waste Catalogue): 16 05 08

Abfallschlüsselnummern in Austria (ÖNORM S2100): 59305

Dispose of in accordance with local authority requirements.

14. Transport Information:

The product is not considered dangerous goods.

15. Regulatory Information:

Chambers 1 and 2:

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.

16. Other Information:

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

R36/37/38: Irritating to eyes, respiratory system and skin

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

Based on:

Drawing No.: A4-33783 and Drawing No.: A4-35199

Version No.: 8 Version No.: 5

Prepared by: Radiometer Medical ApS