

# SAFETY DATA SHEET

Name:	Radiometer SDS M2 014	Page:	1/10
Supersedes date:	2011-01-29	Revision:	2013-02-25
Product No.:	944-123, 944-126	SDS-ID:	EU-EN/2.0

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Name: Radiometer SDS M2 014

Product name: 944-123 S7375 Cleaning Solution with Additive  
944-126 S8375 Cleaning Solution with Additive

Container size: Chamber 1: 175 mL  
Chamber 2: ~ 7 mg

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Application: Chemicals for Radiometer Equipment.

### 1.3. Details of the supplier of the safety data sheet

Manufacturer Radiometer Medical ApS  
Åkandevvej 21  
DK-2700 Brønshøj, DENMARK  
Tel: +45 3827 2853  
Tel: +45 3827 2828  
www.radiometer.com

Responsible for safety data sheet authoring: environment@radiometer.dk

### 1.4. Emergency telephone number

Emergency telephone: Emergency telephone: 112

(Poison Control Centers may be available in specific member countries.)

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## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Chamber 1: The product is not classified.

Chamber 2: The product is not classified.

Physical and Chemical Not relevant.

#### Hazards:

Human health: The hazardous properties of the product are considered limited. However, the product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals.

Environment: The hazardous properties of the product in the environment are considered to be limited.

### 2.2. Label elements

#### **Chamber 1:**

Based on information from the manufacturer regarding the chemical composition, the product is not liable to classification, but the following labelling must be applied:

Safety data sheet available on request.

#### **Chamber 2:**

Based on information from the manufacturer regarding the chemical composition, the product is not liable to classification, but the following labelling must be applied:

Contains 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction.

### 2.3. Other hazards

PBT/vPvB: Not relevant.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Chamber 1: The product contains: water, salts, additives and preservative.

Chamber 2: The product contains: enzymes, salts and preservative.

#### **Chamber 1:**

67/548/EEC:

%:	CAS-No.:	EC No.:	REACH Reg. No:	Chemical name:	Hazard classification:	Notes:
1-5	111-46-6	203-872-2	-	Diethylene glycol	Xn;R22	
<0,1	2682-20-4	220-239-6	-	2-Methyl-2H-isothiazol-3-one	T;R24/25 C;R34 Xi;R37 R43 N;R50	

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## GHS/CLP:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No.:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
1-5	111-46-6	203-872-2	-	Diethylene glycol	Acute Tox. 4;H302	
<0,1	2682-20-4	220-239-6	-	2-Methyl-2H-isothiazol-3-one	Acute Tox. 3;H301 Acute Tox. 3;H311 Skin Corr. 1B;H314 Skin Sens. 1;H317 STOT SE 3;H335 Aquatic Acute 1;H400	

## Chamber 2:

### 67/548/EEC:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No.:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
40-60	9002-01-1	232-647-1	-	Streptokinase	-	*
30-50	7558-79-4	231-448-7	-	Disodium hydrogenorthophosphate	-	*
0,1-1	2682-20-4	220-239-6	-	2-Methyl-2H-isothiazol-3-one	T;R24/25 C;R34 Xi;R37 R43 N;R50	

## GHS/CLP:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No.:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
40-60	9002-01-1	232-647-1	-	Streptokinase	-	*
30-50	7558-79-4	231-448-7	-	Disodium hydrogenorthophosphate	-	*
0,1-1	2682-20-4	220-239-6	-	2-Methyl-2H-isothiazol-3-one	Acute Tox. 3;H301 Acute Tox. 3;H311 Skin Corr. 1B;H314 Skin Sens. 1;H317 STOT SE 3;H335 Aquatic Acute 1;H400	

Notes: The (\*) indicates the changes made with respect to the previous version.

References: The full text for all R-phrases and hazard statements are displayed in section 16.

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## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation: Move into fresh air and keep at rest.

Skin contact: Remove contaminated clothes and rinse skin thoroughly with water. In case of eczema or other skin disorders: Seek medical attention and bring along these instructions.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring these instructions.

Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

### 4.3. Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Not known.

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## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards: No specific precautions.

### 5.3. Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with skin and eyes. Avoid inhalation of dust.

### 6.2. Environmental precautions

Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Large quantities should not be discharged into the drain but removed with absorbing material. Flush away small spillages with plenty of water.

### 6.4. Reference to other sections

References: For personal protection, see section 8.  
For waste disposal, see section 13.

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## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Safe handling advice: Avoid contact with skin and eyes. Avoid inhalation of dust.  
When product is in use it will contain human blood. Observe routine biosafety procedures in handling the product and consider all materials as potentially infectious.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in tightly closed original container. See storage temperature on the product label.  
Storage time: Max. 12 months.

### 7.3. Specific end use(s)

Specific use(s): Not relevant.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No occupational exposure limit assigned.

### 8.2. Exposure controls

Engineering measures: Provide adequate ventilation.  
Chamber 2: Minimise the risk of inhalation of dust. Due to the small packaging the risk of inhalation is minimal.

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: In case of inadequate ventilation use suitable respirator.

Hand protection: Risk of contact: Nitrile gloves or rubber gloves are recommended.

Eye protection: Risk of contact: Wear goggles/face shield.

Hygiene measures: Wash hands after contact.

Environmental Exposure Controls: Not available.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<u>Appearance:</u>	Chamber 1: Liquid. Chamber 2: Powder, dust.
<u>Odour:</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>pH:</u>	Chamber 1: Not available. Chamber 2: Not relevant.
<u>Melting point:</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Boiling point:</u>	Chamber 1: ~100°C Chamber 2: Not available.
<u>Solubility:</u>	Chamber 1: Completely soluble in water. Chamber 2: Completely soluble in water.

### 9.2. Other information

<u>Other data:</u>	Not relevant.
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## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

<u>Reactivity:</u>	Not known.
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### 10.2. Chemical stability

<u>Stability:</u>	Stable under the prescribed storage conditions.
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### 10.3. Possibility of hazardous reactions

<u>Hazardous Reactions:</u>	None known.
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### 10.4. Conditions to avoid

<u>Conditions/materials to avoid:</u>	None specific.
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### 10.5. Incompatible materials

<u>Incompatible materials:</u>	Not known.
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### 10.6. Hazardous decomposition products

<u>Hazardous decomposition products:</u>	None in particular.
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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Inhalation: Chamber 1: Aerosols may irritate the respiratory system.  
Chamber 2: Dust may irritate throat and respiratory system and cause coughing.

Skin contact: Chamber 1: Liquid may irritate the skin.  
Chamber 2: Dust may cause irritation.

Eye contact: Chamber 1: Splashes may irritate.  
Chamber 2: Direct contact may irritate.

Ingestion: May irritate and cause malaise.

Specific effects: The product contains very small amounts of Isothiazolone which may provoke an allergic reaction among sensitive individuals.

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## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecotoxicity: The ecotoxicity of the product is considered to be limited.

### 12.2. Persistence and degradability

Degradability: The product is expected to be biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

### 12.4. Mobility in soil

Mobility: No data available.

### 12.5. Results of PBT and vPvB assessment

PBT/vPvB: Not relevant.

### 12.6. Other adverse effects

Other adverse effects: None known.

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## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

NOTE: When product is in use it will contain human blood. Observe routine biosafety procedures in handling the product and consider all materials as potentially infectious.

Waste from residues: EWC-code: 16 05 06 (or 18 01 03)

Contaminated packaging: Dispose of contaminated packings as residue.

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## SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

UN-No: -

### **14.2. UN proper shipping name**

Proper Shipping Name: -

### **14.3. Transport hazard class(es)**

Class: -

### **14.4. Packing group**

PG: -

### **14.5. Environmental hazards**

Marine pollutant: -

Environmentally Hazardous substance: -

### **14.6. Special precautions for user**

Special precautions: None known.

### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Transport in bulk: Not relevant.

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## SECTION 15: REGULATORY INFORMATION

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Directive 98/79/EC of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices.

Directives 67/548/EEC on dangerous substances and 1999/45/EC on dangerous preparations, including amendments.

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

### **15.2. Chemical Safety Assessment**

CSA status: Not relevant.

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## SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 2-A, 2-B, 3-B, 16.

This SDS refers to the following internal drawings:

Chamber 1: A4-37326 rev 3

Chamber 2: A4-35201 rev 7

### Wording of

#### R-phrases/H-statements:

R22	Harmful if swallowed.
R24/25	Toxic in contact with skin and if swallowed.
R34	Causes burns.
R37	Irritating to respiratory system.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

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The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the 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.

Made by DHI - Environment and Toxicology, Artens Allé 5, DK-2970 Hørsholm, Denmark.  
[www.dhigroup.com](http://www.dhigroup.com).

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