

Product name: Radiometer SDS M3 014 Page: 1/12  
Supersedes date: 2021-05-19 Revision: 2021-10-12  
Product No.: SDS-ID: EU-EN/6.1

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

### 1.1. Product identifier

Product name: Radiometer SDS M3 014  
Product name: 944-123 S7375 Cleaning Solution with Additive  
944-126 S8375 Cleaning Solution with Additive  
944-311 Væske til Clean m. Streptokinase  
958-200 DosiCap for S7375 and S8375  
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  
2700 Brønshøj  
Denmark  
Tel: +45 3827 3827  
www.radiometer.com

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

### 1.4. Emergency telephone number

Emergency telephone: Call a Poison Center, emergency number or doctor/physician. Poison Control Centers may be available in specific member countries.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

CLP: Chamber 1: The product is classified: Skin Sens. 1A;H317  
Chamber 2: The product is classified: Skin Sens. 1A;H317 - Aquatic Chronic 3;H412

References: The full text for all hazard statements is displayed in section 16.

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## 2.2. Label elements

### Chamber 1:



<u>Signal word</u>	Warning
<u>Contains:</u>	2-Methylisothiazol-3(2H)-one
H317	May cause an allergic skin reaction.
P280	Wear eye protection and gloves.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

### Chamber 2:



<u>Signal word</u>	Warning
<u>Contains:</u>	2-Methyl-2H-isothiazol-3-one
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
P261	!P261! - Avoid breathing dust or mist.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

## 2.3. Other hazards

<u>PBT/vPvB:</u>	This product does not contain any PBT or vPvB substances.
<u>Other:</u>	Chamber 1: Endocrine Disruptor Information: Contains Octylphenoethoxylate.

## 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.

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## Chamber 1:

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	-	2,2'-Oxybisethanol	Acute Tox. 4;H302	
0,0015 - < 0,025	2682-20-4	220-239-6	-	2-Methylisothiazol-3(2H)-one	Acute Tox. 2;H330 Acute Tox. 3;H311 Acute Tox. 3;H301 Skin Corr. 1B;H314 Eye Dam. 1;H318 Skin Sens. 1A;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 EUH071	
< 0,025	9036-19-5	618-541-1	-	Octylphenoethoxylate	Acute Tox. 4;H302 Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	SVHC

## Chamber 2:

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	-	
0,0015 - < 1	2682-20-4	220-239-6	-	2-Methylisothiazol-3(2H)-one	Acute Tox. 2;H330 Acute Tox. 3;H311 Acute Tox. 3;H301 Skin Corr. 1B;H314 Eye Dam. 1;H318 Skin Sens. 1A;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 EUH071	

Notes: SVHC = Substance of Very High Concern.

SCL (CAS 2682-20-4):  
Skin Sens. 1A;H317: C ≥ 0,0015 %  
M(ac): 10  
M(chr): 1

SCL (CAS 9036-19-5):  
M(ac): 10  
M(chr): 10

References: The full text for all hazard statements is 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 at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink 1-2 glasses of water. Keep person under observation. If uncomfortable: Transportation to hospital. Bring along 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: Treat symptomatically.

## 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.

## 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: Spillage should not be discharged into the drain but removed with absorbing material.

### **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.

### 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.

## 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: Use protective gloves. Nitrile gloves are recommended. Thickness:  $\geq 0,12$  mm.  
Breakthrough time:  $> 480$  min..  
Other types of gloves can be recommended by the glove supplier.

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

Hygiene measures: Wash hands after handling.

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>Physical state:</u>	Chamber 1: Liquid. Chamber 2: Powder, dust.
<u>Odour:</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Odour threshold:</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>pH:</u>	Chamber 1: Not available. Chamber 2: Not relevant.
<u>Melting point / freezing point:</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Boiling point:</u>	Chamber 1: ~100°C Chamber 2: Not available.
<u>Flash point:</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Evaporation rate:</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Explosion limits:</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Vapour pressure:</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Vapour density:</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Relative density:</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Solubility:</u>	Chamber 1: Completely soluble in water. Chamber 2: Completely soluble in water.
<u>Partition coefficient (n-octanol/water):</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Auto-ignition temperature (°C):</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Decomposition temperature (°C):</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Viscosity:</u>	Chamber 1: Not available. Chamber 2: Not available.
<u>Oxidising properties:</u>	Chamber 1: Not available. Chamber 2: Not available.

### 9.2. Other information

<u>Other data:</u>	Chamber 1: Not available. Chamber 2: Not available.
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## SECTION 10: STABILITY AND REACTIVITY

### **10.1. Reactivity**

Reactivity: Not known.

### **10.2. Chemical stability**

Stability: Stable under the prescribed storage conditions.

### **10.3. Possibility of hazardous reactions**

Hazardous Reactions: None known.

### **10.4. Conditions to avoid**

Conditions/materials to avoid: None specific.

### **10.5. Incompatible materials**

Incompatible materials: Not known.

### **10.6. Hazardous decomposition products**

Hazardous decomposition products: None in particular.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute Toxicity (Oral): Chamber 1: Based on available data, the classification criteria are not met.  
Chamber 2: Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Chamber 1: Based on available data, the classification criteria are not met.  
Chamber 2: Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Chamber 1: Based on available data, the classification criteria are not met.  
Chamber 2: Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Chamber 1: Based on available data, the classification criteria are not met.  
Chamber 2: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Chamber 1: Based on available data, the classification criteria are not met.  
Chamber 2: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Chamber 1: May cause an allergic skin reaction.  
Chamber 2: May cause an allergic skin reaction.

Germ cell mutagenicity: Chamber 1: Based on available data, the classification criteria are not met.  
Chamber 2: Based on available data, the classification criteria are not met.

Carcinogenicity: Chamber 1: Based on available data, the classification criteria are not met.  
Chamber 2: Based on available data, the classification criteria are not met.

Reproductive Toxicity: Chamber 1: Based on available data, the classification criteria are not met.  
Chamber 2: Based on available data, the classification criteria are not met.

STOT - Single exposure: Chamber 1: Based on available data, the classification criteria are not met.  
Chamber 2: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Chamber 1: Based on available data, the classification criteria are not met.  
Chamber 2: Based on available data, the classification criteria are not met.

Aspiration hazard: Chamber 1: Based on available data, the classification criteria are not met.  
Chamber 2: Based on available data, the classification criteria are not met.

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: Risk of sensitisation or allergic reactions among sensitive individuals.  
Chamber 2: Dust may cause irritation. Risk of sensitisation or allergic reactions among sensitive individuals.

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

Ingestion: May irritate and cause malaise.

### 11.2. Information on other hazards

Endocrine disrupting properties: The product contains no substances identified as having endocrine disrupting properties in humans.

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## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

**Ecotoxicity:** Chamber 1: Not classified as dangerous to the environment.  
The product contains substances which are very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Octylphenoethoxylate  
M-factor (acute): 10  
M-factor (chronic): 10

2-Methyl-2H-isothiazol-3-one  
M-factor (acute): 10  
M-factor (chronic): 1

Chamber 2: The product is harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2-Methyl-2H-isothiazol-3-one  
M-factor (acute): 10  
M-factor (chronic): 1

### **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:** This product does not contain any PBT or vPvB substances.

### **12.6. Endocrine disrupting properties**

**Endocrine disrupting properties:** Contains Octylphenoethoxylate. The substance degrades to 4-tert-octylphenol [4-tert-OP] in wastewater treatment plants and sediments and soils. 4-tert-OP is considered to be endocrine active in aquatic organisms through an estrogen mediated mode of action.

### **12.7. Other adverse effects**

**Other adverse effects:** None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Do not discharge into drains, water courses or onto the ground.

**Waste from residues:** EWC-code: 16 05 09

**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/AND/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 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

Special provisions: Chamber 1: As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

Chamber 2: As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

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, with 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.

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

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work, with amendments.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, with amendments.

Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work, with amendments.

Directive 2004/37/EC of the European Parliament and of the Council of 29 April 2004 on the protection of workers from the risks related to exposure to carcinogens or mutagens at work, with amendments.

Directive 2009/148/EC of the European Parliament and of the Council of 30 November 2009 on the protection of workers from the risks related to exposure to asbestos at work.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, with amendments.

2014/955/EC: Commission Decision of 18 December 2014 amending Decision 2000/532/EC as regards the list of wastes.

### 15.2. Chemical Safety Assessment

CSA status: No chemical safety assessment has been carried out.

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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. For restrictions on use see section 15.

The following sections contain revisions or new statements: 1, 2, 16.

This SDS refers to the following internal drawings:

Chamber 1: A4-37326 rev 3

Chamber 2: A4-35201 rev 7

Abbreviations and acronyms used in the safety data sheet: CSA = Chemical Safety Assessment.  
M(ac) = M-factor acute toxicity.  
M(chr) = M-factor chronic toxicity.  
PBT = Persistent, Bioaccumulative and Toxic.  
SCL = Specific Concentration Limit.  
STOT = Specific Target Organ Toxicity.  
vPvB = very Persistent and very Bioaccumulative.

Additional information: Classification according to Regulation (EC) No. 1272/2008: Calculation method.

### Wording of H-statements:

EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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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, Agern Allé 5, DK-2970 Hørsholm, Denmark.  
www.dhigroup.com.

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