

SAFETY DATA SHEET

RADIOMETER 

Product name: Radiometer SDS M1 038 Page: 1/8
Supersedes date: 2012-05-22 Revision: 2017-03-24
P/N-no.: 946-/005/008/009/010/013/040/051/052/053 SDS-ID: US-EN/3.3

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

Product identifier

Product name: Radiometer SDS M1 038

Product name: ABL90 FLEX Sensor Cassette - including:
946-005 ABL90 FLEX Sensor cassette
946-008 ABL90 FLEX Sensor cassette
946-009 SC90 900 BG, LYT, MET, OXI + QC
946-010 SC90 100 BG, LYT, MET, OXI +QC
946-013 SC90 600 BG, LYT, MET, OXI + QC
946-040 ABL90 FLEX Demo Sensor cassette
946-056 SC90 900 BG, LYT, MET MOD, OXI + QC
946-059 SC90 300 BG, LYT, Met, Hb + QC
946-060 SC90 1200 BG,LYT,MET,OXI+QC
946-061 SC90 600 BG, LYT, MET, Hb +QC
946-062 SC90 900 BG, LYT, MET, Hb +QC
946-063 SC90 100 BG, LYT, MET, Hb +QC
946-705 SC90 Ki 300 BG, LYT, MET, UREA, CREA, OXI + QC
946-712 Sensor Cassette SC300 (BEC)
944-384 Kontrolampul SC90 (Internal)

Container size: 2 ml
Cassette containing inner liquid electrolyte.

Relevant identified uses of the substance or mixture and uses advised against

Application: Chemicals for Radiometer Equipment.

Details of the supplier of the safety data sheet

Supplier: Radiometer America Inc.
810 Sharon Drive
Westlake OH, 44145, USA
Tel:440-871-8900
www.radiometer.com

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

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

Emergency telephone number

Emergency telephone: Emergency telephone: 911

(National Capital Poison Center: 1-800-222-1222)

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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

This Product is Not Hazardous under the OSHA Hazard Communication Standard.

The product is defined as an article with no intended release of substances. When handled correctly, undamaged units represent no danger.

Physical and Chemical Hazards: Not relevant.

Hazards:

Human health: Not relevant.

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

Label elements

The substance/mixture does not meet the criteria for classification and labeling.

Other hazards

PBT/vPvB: Not relevant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

The product contains: water, salts and additives.

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> |
|-----------|-----------------|----------------|-----------------------|-----------------------|-------------------------------|---------------|
| 10-15 | 141-53-7 | 205-488-0 | - | Sodium formate | - | * |

OSHA 2012:

| <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> |
|-----------|-----------------|----------------|-----------------------|-----------------------|-------------------------------|---------------|
| 10-15 | 141-53-7 | 205-488-0 | - | Sodium formate | - | * |

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

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SECTION 4: FIRST AID MEASURES

Description of first aid measures

Not relevant during normal use. In case of breakage of the packaging:

Inhalation: Not relevant.
Skin contact: Wash skin with soap and water.
Eye contact: Rinse with water.
Ingestion: Rinse mouth and drink plenty of water.

Most important symptoms and effects, both acute and delayed

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

Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: None known.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

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

Special hazards arising from the substance or mixture

Specific hazards: No specific precautions.

Advice for firefighters

Protective equipment for fire-fighters: Use protective equipment appropriate for surrounding materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with skin and eyes.

Environmental precautions

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

Methods and material for containment and cleaning up

Spill Cleanup Methods: Absorb spillage with suitable absorbent material. Flush away small spillages with plenty of water.

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

Precautions for safe handling

Safe handling advice: No special precautions when handling undamaged units.
Damaged units: Observe good chemical hygiene practices. Avoid contact with skin and eyes.
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.

Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

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

Specific end use(s)

Specific use(s): Not relevant.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No occupational exposure limit assigned.

Exposure controls

Engineering measures: Provide adequate ventilation.

Personal protection: No special precautions when handling undamaged units.

Hand protection: In case of contact with spilled product: Nitrile gloves are recommended.

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

Hygiene measures: Wash hands after contact.

Environmental Exposure Controls: Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance: Cassette containing inner liquid electrolyte.

Odor: Odorless.

pH: 5.35 – 5.55

Boiling point: Not available.

Relative density: 1.08 (22 °C / 72 °F)

Solubility: Completely soluble in water.

Other information

Other data: Not relevant.

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SECTION 10: STABILITY AND REACTIVITY

Reactivity

Reactivity: Not known.

Chemical stability

Stability: Stable under the prescribed storage conditions.

Possibility of hazardous reactions

Hazardous Reactions: None known.

Conditions to avoid

Conditions/materials to avoid: None specific.

Incompatible materials

Incompatible materials: Not known.

Hazardous decomposition products

Hazardous decomposition products: None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Not relevant during normal use. In case of breakage of the packaging:

Inhalation: Not relevant at normal room temperatures.

Skin contact: Prolonged or repeated contact may cause irritation.

Eye contact: Direct contact may irritate.

Ingestion: Not likely, due to the form of the product.

Specific effects: This product contains no ingredient listed on the NTP, IARC or California Proposition 65 carcinogen lists.

Additional information: This product contains no substances evaluated as: Carcinogen/Mutagen/Reprotoxic (CMR)

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SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity: The product is not expected to be hazardous to the environment.

Persistence and degradability

Degradability: The product is expected to be biodegradable.

Bioaccumulative potential

Bioaccumulative potential: Will not bio-accumulate.

Mobility in soil

Mobility: No data available.

Results of PBT and vPvB assessment

PBT/vPvB: Not relevant.

Other adverse effects

Other adverse effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

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.

SECTION 14: TRANSPORT INFORMATION

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

UN number

UN-No: -

UN proper shipping name

Proper Shipping Name: -

Transport hazard class(es)

Class: -

Packing group

PG: -

Environmental hazards

Marine pollutant: -

Environmentally Hazardous substance: -

Special precautions for user

Special precautions: None known.

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

Safety, health and environmental regulations/legislation specific for the substance or mixture

When product is in use it will contain human blood. Follow the requirements in the Bloodborne Pathogens Standard (CFR 29 1910.1030)

Special provisions:

The product is defined as an article with no intended release of substances.
TSCA: Listed.

SARA Section 302: Not listed.
SARA Section 313: Not listed.

SARA (311/312) Hazard categories:
None.

This product contains no ingredient listed on the NTP, IARC or California Proposition 65 carcinogen lists.

The inner liquid electrolyte is classified:
NFPA Rating: Health:1 Fire:0 Reactivity:0 Other:-

National regulation:

The following lists and legislation have been checked:
The Code of Federal Regulation, Title 29, part 1910. Occupational Safety and Health Standards, Hazard Communication, with amendments.
The Code of Federal Regulation, Title 40, part 261.33. Identification and listing of hazardous waste.
The Code of Federal Regulation. Title 40, part 355.50. Emergency Planning and Notification.
The Code of Federal Regulation. Title 40, part 302.4. Designation, Reportable Quantities, and Notification.
The Code of Federal Regulation. Title 40, part 68.130. Chemical Accident Prevention Provisions.
The Code of Federal Regulation. Title 40, part 372.65. Toxic Chemical Release Reporting: Community Right to Know.
Threshold Limit Values (2016), ACGIH, by the American Conference on Governmental Industrial Hygienists.
The Code of Federal Regulation, Title 29, part 1910. Occupational Safety and Health Standards, Air contaminants (OSHA), with amendments.
NIOSH Pocket Guide to Chemical Hazards.
U.S. Department of health and human services: 2014 - Report on Carcinogens - 13th Edition.
International Agency for Research on Cancer (IARC): IARC Monographs on the Evaluation of Carcinogenic Risks to Humans. Lyon: IARC, World Health Organization.
State of California. Environmental Protection Agency. California Proposition 65, with amendments.

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: 1, 2, 3, 4, 7, 8, 11.

This SDS refers to the following internal drawings:
MFG-009185

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.
