

## SAFETY DATA SHEET

### Mercodia Diabetes Sample Buffer

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

<b>1.1 Product Identifier</b>	Mercodia Diabetes Sample Buffer 10-1195-01  - 20-5152                      Diabetes Sample Buffer 30 mL
<b>1.2 Relevant identified use of the substance or mixture and uses advised against</b>	The buffer is used for dilution of serum and plasma.
<b>1.3 Details of the supplier of the safety data sheet</b>	Mercodia AB Sylveniusgatan 8A 754 50 UPPSALA, SWEDEN tel: +46 (0) 18-57 00 70 fax: +46 (0) 18-57 00 80 e-mail: info@mercodia.se
<b>1.4 Emergency telephone</b>	tel: +46 (0) 18-57 00 70

#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture

Included in solution  
H317 skin sensitization - Category 1  
See Section 16 for the full text of the H statements declared above.  
See Section 11 for more detailed information on health effects and symptoms.

##### 2.2 Label elements



Signal word:                      Warning  
Hazard statement:              H317 – May cause an allergic skin reaction

##### Precautionary statements

Prevention	P280 – Wear protective gloves. P261 - Avoid breathing vapour. P272 - Contaminated work clothing should not be allowed out of the workplace.
Response	P302 + P352 - if on skin: Wash with plenty of soap and water. P333 + P313 - If skin irritation or rash occurs: Get medical attention.
Storage	Not applicable.
Disposal	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]

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Supplemental label elements and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)  
 Not applicable

#### Special packaging requirements

Tactile warning of danger Not applicable

#### 2.3 Other hazards

None known

### SECTION 3: Composition / information on ingredients

#### 3.2 Mixtures

##### Hazardous ingredients:

Kathon CG <sup>1)</sup>	Conc %	Classification <sup>2)</sup>
Index-No: 613-167-00-5	0.15 <sup>1)</sup>	Acute Toxicity 3; H331
CAS-No: 55965-84-9		Acute Toxicity 3; H311
EC-No: -		Acute Toxicity 3; H301
		Skin Corrosion 1B; H314
		Skin Sensitisation 1; H317
		Aquatic Acute 1; H400
		Aquatic Chronic 1; H410

- 1) Kathon CG is a mixture of substances where two of the components, 5-chloro-2-methyl-4-isothiazolin-3-one (EG-nr 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG-nr 220-239-6), in a mixture with the proportion 3:1 has a CAS No 55965-84-9. The content of this mixture in the Kathon CG is 1.5 w-% which gives the content of 0.0023 w-% of the dangerous mixture in the product.
- 2) Classification according to (EC)1272/2008. See description of Hazard statements and precautionary statements in section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

<b>Inhalation:</b>	Breathe fresh air and rest. If breathing is difficult, give oxygen.
<b>Skin contact:</b>	Remove contaminated clothing. Wash the affected area with soap and water.
<b>Eye contact:</b>	Rinse immediately with copious amount of water for at least 15 minutes with the eyelid held wide open. Consult a doctor if symptoms persist.
<b>Ingestion:</b>	Rinse mouth and throat with water. Consult a doctor if symptoms persist. Never give anything to drink / eat to an unconscious person.

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

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**Potential acute health effects**

Eye contact:	No known significant effects or critical hazards
Inhalation:	No known significant effects or critical hazards
Skin contact:	May cause an allergic skin reaction
Ingestion:	No known significant effects or critical hazards

**4.3 Indication of any immediate medical attention and special treatment needed**

Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments:	No specific treatment.

**SECTION 5: Fire-fighting measures**

**5.1 Extinguishing media**

Water, carbon dioxide, powder, foam.

**5.2 Special hazards arising from the substance or mixture**

Decomposition products may include the following materials:  
carbon dioxide and carbon monoxide

**5.3 Advice for firefighters**

No action shall be taken involving any personal risk or without suitable training.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

See "Precautions for safe handling", section 7.1 and "Exposure controls" section 8.2.

**6.2 Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**6.3 Methods and material for containment and cleaning up**

Clean up with absorbent paper and dispose of in a sealed container.

**6.4 Reference to other sections**

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
For current waste regulations, see section 13.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Put on appropriate personal protective equipment (see Section 8).  
Ensure good ventilation. Direct physical contact with all components in this product should be avoided.

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<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Keep container tightly closed and at 2-8°C.
<b>7.3 Specific end use(s)</b>	Industrial applications. Professional applications.

#### SECTION 8: Exposure control/personal protection

<b>8.1 Control parameters</b>	
The mixture contains no substances with occupational exposure limits.	
<b>8.2 Exposure controls</b>	
	Ensure good ventilation. Avoid, if possible, direct contact with the product. An emergency shower and/or an eye bath should be available in the workplace.
<b>Engineering controls:</b>	Not applicable for the mixtures.
<b>Eye/face protection:</b>	Use chemical safety goggles where splashing is possible.
<b>Skin protection</b>	
<b>Hand protection:</b>	Chemical resistant gloves (butyl rubber, PE or PVC) may be used if risk of direct contact may occur.
<b>Respiratory protection:</b>	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification.
<b>Thermal hazards:</b>	None known
<b>Environmental exposure controls:</b>	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation

#### SECTION 9: Physical and chemical properties

<b>9.1 Information on basic physical and chemical properties</b>	
<b>Appearance:</b>	Liquid
<b>Colour:</b>	Yellow
<b>Odour:</b>	Odourless
<b>pH:</b>	Approximately 7
<b>Melting point/Freezing point:</b>	Approximately 0 °C
<b>Initial boiling point and boiling range:</b>	Approximately 100 °C
<b>Flash Point (°C)</b>	Not available.
<b>Evaporation rate:</b>	Not available.
<b>Flammability (solid, gas):</b>	Not available.
<b>Upper/lower flammability or explosive limits:</b>	Not available.
<b>Vapour pressure:</b>	Not available.
<b>Vapour density:</b>	Not available.
<b>Relative Density (g/cm<sup>3</sup>)</b>	Approximately 1.
<b>Solubility (ies):</b>	Soluble in water

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<b>Partition coefficient;</b>	
<b>N-octanol/water:</b>	Not available.
<b>Auto-ignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Explosive properties:</b>	Not available.
<b>Oxidising properties:</b>	Not available.
<b>9.2 Other information</b>	
	No additional information.
<b>SECTION 10: Stability and reactivity</b>	
<b>10.1 Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur
<b>10.4 Conditions to avoid</b>	No specific data
<b>10.5 Incompatible materials</b>	May react or be incompatible with oxidizing materials.
<b>10.6 Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>SECTION 11: Toxicological information</b>	
<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity</b>	5-chloro-2-methyl-4-isothiazolin-3-one (EG-nr 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG-nr 220-239-6), in a mixture with the proportion 3:1, LD50 Oral, Rat, Dose 53 mg/kg
<b>Irritation</b>	5-chloro-2-methyl-4-isothiazolin-3-one (EG-nr 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG-nr 220-239-6), in a mixture with the proportion 3:1. Not available.
<b>Sensitization</b>	5-chloro-2-methyl-4-isothiazolin-3-one (EG-nr 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG-nr 220-239-6), in a mixture with the proportion 3:1, Possible risk for allergic reaction may occur.
<b>Repeated dose toxicity</b>	Not available.
<b>Carcinogenicity</b>	Not available.
<b>Mutagenicity</b>	Not available.
<b>Toxicity for reproduction</b>	Not available.
<b>Potential acute health effects</b>	<b>5-chloro-2-methyl-4-isothiazolin-3-one (EG-nr 247-500-7) and 2-methyl-2H-isothiazol-3-one (EG-nr 220-239-6), in a mixture with the proportion 3:1.</b>
<b>Eye contact</b>	No known significant effects or critical hazards.

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Inhalation Skin contact Ingestion	No known significant effects or critical hazards. May cause an allergic skin reaction. No known significant effects or critical hazards.
<b>SECTION 12: Ecological information</b>	
<b>12.1 Toxicity</b>	Data not available for the mixture. Is judged to be of low toxicity to aquatic organism.
<b>12.2 Persistence and degradability</b>	Data not available for the mixture. The product contains mainly water. For the inorganic substances, existing in very small amounts, there are no criteria for biodegradability.
<b>12.3 Bioaccumulative potential</b>	Not available.
<b>12.4 Mobility in soil</b>	Not available.
<b>12.5 Results of PBT and vPvB assessment</b>	Not applicable.
<b>12.6 Other adverse effects</b>	No known significant effects or critical hazards.
<b>SECTION 13: Disposal considerations</b>	
<b>13.1 Waste treatment methods</b>	
<b>Product:</b>	Discarded product (incl. Contaminated packaging) and related waste is not hazardous waste acc. to current waste legislation. For disposal contact approved waste Management Company. Requirements for certain permission exists – see current waste legislation. Propose EWC-code: 18 01 07 Wastes from natural care, diagnosis, treatment or prevention of disease in humans, chemicals other than those mentioned in 18 01 06.
<b>Packaging</b>	
<b>Methods of disposal:</b>	The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
<b>Special precautions:</b>	This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
<b>SECTION 14: Transport information</b>	
<b>Regulatory information</b>	
<b>ADR/RID / IMDG / IATA</b>	Not regulated
<b>14.6 Special precautions for user</b>	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons

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transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC code**  
Not available.

**SECTION 15: Regulatory information**

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

**EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorization Annex XIV**      None of the components are listed

**Substances of very high concerns**

None of the components are listed

**National inventory:**

United States: All components are listed or exempted.

**15.2 Chemical safety assessment**

This product contains substances for which Chemical Safety Assessments might still be required.

**SECTION 16: Other information**

Revised in section (-s):      Version 2017-06-28 is rewritten with the addition of pictograms for Kathon CG and all consequences thereof.

Key literature references and sources for data:  
(EC) 1272/2008, Supplier's SDS

List of hazard statements and precautionary statements:

- H331      = Toxic if inhaled.
- H311      = Toxic in contact with skin.
- H301      = Toxic if swallowed.
- H314      = Causes severe skin burns and eye damage.
- H317      = May cause an allergic skin reaction.
- H400      = Very toxic to aquatic life.
- H410      = Very toxic to aquatic life with long lasting effects.

The above information is believed to be correct and may not be all conclusive; however, it should only be used as a guide. Mercodia AB or Mercodia Inc. shall not be held liable for any damage resulting from handling or contact with the above product.