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# Getinge Clean MIS Detergent

According to Regulation (EC) No. 1907/2006

## Safety Data Sheet

**GETINGE**  
GETINGE GROUP

6001643802\_MSDS\_MIS\_Detergent\_pf-094\_EN\_Rev.A

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### SECTION 1: Identification of the Substance/Mixture and on the Company/Undertaking

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- 1.1. Product Identifier
- |              |                             |
|--------------|-----------------------------|
| Product code | PF-094                      |
| Trade name   | Getinge Clean MIS Detergent |
- 1.2. Product Uses
- Relevant identified uses of the substance or mixture and uses advised against. An enzymatic detergent for use in washer disinfectors, ultrasonic baths and the manual cleaning of medical devices. Specially formulated to clean complex minimally invasive surgical instruments. Suitable for use on water resistant surfaces such as stainless steel, ceramics, glass, plastics and soft metals.
- 1.3. Supplier
- Details of the supplier of the Safety Data Sheet.
- Supplier:
- Getinge Disinfection AB, Ljungadalsgatan 11, Box 1505, SE-351 15 Växjö, Sweden
- Phone: +46 (0)10 335 98 00
- Web: [www.getinge.com](http://www.getinge.com)
- E-mail: [info@getinge.com](mailto:info@getinge.com)
- Supplier New Zealand:
- Getinge Australia (NZ Branch)
- Unit 4, 10 Cryers Road
- East Tamaki, Auckland
- Botany 2163
- New Zealand
- Phone: +64 9 272 90393
- 1.4. Emergency telephone number
- For emergency event of spillage, inhalation or ingestion of products, please contact the emergency hotline:
- EU: +44 (0) 1235 239 670
- Australia: +61 2801 44558
- Japan: +81 345 789 341
- China: +86 10 5100 3039
- Middle East: +44 (0) 1235 239 671
- New Zealand : +64 9929 1483

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## SECTION 2: Hazards Identification

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2.1		Classification of the substance or mixture
2.1.1	Classification according to GHS and 26 CFR 1910	Not classified as hazardous.
2.2	Label elements	<p>Labelling according to GHS and 26 CFR 1910</p> <p>Hazard pictograms: None</p> <p>Signal word: None</p> <p>Danger: None</p> <p>Hazard statements: None</p> <p>Precautionary statements:</p> <p>P261 - Avoid breathing mist, spray, vapours.</p> <p>P262 - Do not get in eyes, on skin, or on clothing</p> <p>P281: Use personal protective equipment as required</p> <p>See section 16 for definition</p>
2.3	Other Hazards	Contains enzymes. May produce an allergic reaction.

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## SECTION 3: Composition/Information on Ingredients

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3.1				
	Material	CAS number	Level	GHS Classification, Hazard Statement
	Subtilisins (Protease)	9014-01-1	<1%	Skin Irrit.2, H315 Eye Dam.1, H318 Resp.Sens.1, H334 STOT SE3, H335
	Lipase (Triacyl glycerol)	9001-62-1	<1%	Not classified
	Amylase	9000-90-2	<1%	Resp.Sens.1, H334
	Cellulase	9012-54-8	<1%	Resp.Sens.1, H334
	Ingredients determined not to be hazardous	N/A	To 100%	-

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## SECTION 4: First Aid Measures

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4.1	Description of first aid measures	
	Eye contact:	Rinse with plenty of running water for at least 10 minutes. Seek medical attention if symptoms occur.
	Skin contact:	Remove contaminated clothing, wash skin with water and seek medical attention if symptoms occur.
	Inhalation:	Remove to fresh air. Seek medical attention if symptoms occur.
	Ingestion:	Do not induce vomiting. If conscious, give water to rinse mouth and one or two glasses of water to drink. Contact a doctor or a Poisons Information Centre.
4.2	Most important symptoms and effects, both acute and delayed	Unknown
4.3	Indication of any immediate medical attention and special treatment needed	Treat symptomatically

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## SECTION 5: Fire Fighting Measures

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Not applicable

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## SECTION 6: Accidental Release Measures

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6.1	Personal precautions, protective equipment and emergency procedures	Wear personal protection equipment.
6.2	Environmental precautions	Not applicable
6.3	Methods and material for containment and cleaning up	Absorb spill with inert material. Spill area should be flushed with water to sewer (avoid high pressure rinsing). Do not use cleaning methods that generate aerosol. Spilled concentrate should be removed as soon as possible to avoid drying and formation of duct. Rinse with excess water.

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## SECTION 7: Handling and Storage


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	Shelf life:	36 months from the manufacturing date.
7.1	Precautions for safe handling	Working processes must be organized in a manner that prevents the inhalation of aerosols and mists or skin and eye contact.
7.2	Conditions for safe storage, including any incompatibilities	Store in a cool, dry place protected from frost heat and direct sunlight away from acids and strong oxidizing agents. Store upright in original containers. Keep container closed when not in use. Storage temperature 5–25 °C.
7.3	Product Uses	Dosing range 0.5–8 ml/lt. Dosages below 1.5 ml/lit water should only be considered with soft or treated water. Check materials compatibility before use. Ensure complete rinsing after use. Do not mix with other chemicals.

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## SECTION 8: Exposure Control and Personal Protection

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8.1	Control parameters	<p>Workplace exposure limits</p> <table border="0"> <tr> <td>Sodium tetraborate</td> <td>1mg/m<sup>3</sup></td> <td>REL-TWA (NIOSH)</td> </tr> <tr> <td>Subtilisin</td> <td>0.06µg/m<sup>3</sup></td> <td>REL-STEL (NIOSH)</td> </tr> </table>	Sodium tetraborate	1mg/m <sup>3</sup>	REL-TWA (NIOSH)	Subtilisin	0.06µg/m <sup>3</sup>	REL-STEL (NIOSH)
Sodium tetraborate	1mg/m <sup>3</sup>	REL-TWA (NIOSH)						
Subtilisin	0.06µg/m <sup>3</sup>	REL-STEL (NIOSH)						
8.2	Exposure controls	<p>These measures are recommended on the basis of common application methods and may not be appropriate to all potential applications of the product. The user is responsible for carrying out a full risk assessment for their specific processes and systems of work.</p> <p>Eye protection: Wear eye protection if splashing is likely.  Hand protection: Wear nitrile or neoprene gloves. Exact choice of glove depends on specific risk assessments.  Body protection: As necessary to prevent contact.  Respiratory protection: Use in a well ventilated area. Avoid breathing vapour or spray. Wear a respirator if necessary.  Other protection: N/A  Personal protective equipment:</p> <div style="text-align: center;">  </div> <p>Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.</p> <p>Environmental protection: N/A</p>						

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## SECTION 9: Physical and Chemical Properties

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### 9.1 Information on basic physical and chemical properties

Appearance:	Blue liquid
Odour:	Faint odour
Odour threshold:	N/A
Melting point:	N/A
Flash point:	N/A
Evaporation rate:	N/A
Flammability:	N/A
Upper/lower flammability or explosive limits:	N/A
Auto-ignition temperature:	N/A
Explosive properties:	N/A
Oxidising properties:	None
Decomposition temperature	N/A
Vapour pressure:	No data
Vapour density:	N/A
Relative density at 20 °C:	1.05–1.12
Solubility:	Easily soluble in water
Partition coefficient:	n-octanol/water Not applicable
Viscosity:	Less than 10 cSt

### 9.2 Other information

## SECTION 10: Stability and Reactivity

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10.1	Reactivity	Not reactive
10.2	Chemical stability	The mixture is stable at normal ambient temperature (5–25 °C).
10.3	Possibility of hazardous reactions	No known hazardous reactions.
10.4	Conditions to avoid	Storing at temp above +25 °C
10.5	Incompatible materials	Incompatible with oxidising agents and acids.
10.6	Hazardous decomposition products	Does not decompose when used as intended.

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## SECTION 11: Toxicological Information

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11.1	Information on toxicological effects	
	Eye contact:	No known significant effects or critical hazards.
	Skin contact:	No known significant effects or critical hazards. May cause irritation in sensitized individuals.
	Inhalation:	Not hazard in normal use. Breathing spray mist may cause irritation.
	Ingestion:	Exposure can cause nausea, headache and vomiting.
	Long term:	Based on current knowledge, no long term effects are anticipated if used as recommended

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## SECTION 12: Ecological Information

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12.1	Toxicity	Not classified as dangerous for the environment.
12.2	Persistence and degradability	Ingredients contained in this preparation comply with the biodegradability criteria of Regulation (EC) No 648/2004 on detergents.
12.3	Bioaccumulative potential	Unknown
12.4	Mobility in soil	Unknown
12.5	Results of PBT and vPvB assessment	This mixture does not contain any substances that are assessed as PBT or vPvB.
12.6	Other adverse effects	No other adverse effects are anticipated.

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## SECTION 13: Disposal Considerations

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13.1	Waste Treatment Methods	Disposal of unwanted product should be done in accordance with local, state or national legislation. Empty containers should be rinsed with large quantity of water, and can be reused or recycle. Could be disposed of to landfill or incinerated where permitted. Avoid release to the environment.
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## SECTION 14: Transport Information

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14.1	UN Number:	Not classified Tariff/TARIC 3402 90 90
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14.2	UN Proper Shipping Name:	N/A
14.3	Transport Hazard Class(es):	N/A
14.4	Packing Group:	N/A

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## SECTION 15: Regulatory Information

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15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	<p>Contents enzymes. The formulation contains boron compounds at the combined level below the specific concentration limit of the relevant classification criteria as per GHS classification.</p> <p>Enzymes</p>
15.2	Chemical Safety Assessment	<p>Product Safety Phrases:</p> <p>P261 - Avoid breathing mist, spray, vapours. P262 - Do not get in eyes, on skin, or on clothing P281 - Use personal protective equipment as required</p> <p>Definition of Hazard statement codes:</p> <p>H315 Causes skin irritation H318 Causes serious eye damage H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation</p>

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## SECTION 16: Other Information

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Hazard statements  
relating to ingredients  
(see section 3):

Product Safety Phrases:

P261 - Avoid breathing mist, spray, vapours.

P262 - Do not get in eyes, on skin, or on clothing

P281 - Use personal protective equipment as required

Definition of Hazard statement codes:

H315 Causes skin irritatio

H318 Causes serious eye damage

H334 May cause allergy or asthma symptoms or breathing  
difficulties if inhaled

H335 May cause respiratory irritation

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This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheets= is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be constructed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.

Always consult and follow manufacturer's recommendations for the reprocessing of medical devices as per EN ISO 17664.

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**GETINGE**

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**GETINGE GROUP**

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