
Getinge Clean Enzymatic Detergent
According to Regulation (EC) No. 1907/2006
Safety Data Sheet

GETINGE
GETINGE GROUP

6001643102_MSDS_Enzymatic_XV1559_EN_Rev A

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

- 1.1 Product Identifier
- | | |
|--------------|-----------------------------------|
| Product Code | XV1559 |
| Trade name | Getinge Clean Enzymatic Detergent |
- 1.2 Product Uses
- A neutral enzymatic detergent for use in washer disinfectors, ultrasonic baths and manual cleaning of medical devices.
- 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: <http://www.getinge.com>
- E-mail: info@getinge.com
- New Zealand:
- Getinge Australia (NZ Branch)
- Unit 4, 10 Cryers Road
- East Tamaki,
- Auckland
- Botany 2163
- New Zealand
- Phone: +64 927 290 393
- 1.4 Emergency telephone number:
- Emergency telephone number:
- For emergency event of spillage, inhalation or ingestion of products, please contact the emergency hotline:
- EU: +44 (0) 123 523 96 70
- Australia: +61 280 144 558
- Japan: +81 345 789 341
- China: +86 105 100 30 39
- Middle East: +44 (0) 123 523 96 71
- New Zealand: +64 992 914 83

 SECTION 2: Hazards identification (Undiluted product)

2.1	Classification of the mixture	Classification of the mixture
2.1.1	According to 1272/2008	Health Hazards: Eye Irrit. 2. Physical Hazards: Not Classified. Environmental Hazards: Not Classified.
2.1.2	According to 1999/45/EC	Classification according to directive 1999/45/EC: This product is not classified as hazardous.
2.2	Label elements	
2.2.1	According to 1272/2008	<p>Warning </p> <p>H319 Causes serious eye irritation</p> <p>EUH208 Contains enzyme (subtilisins). May produce an allergic reaction.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P405 Store locked up.</p>
2.2.2	According to 1999/45/EC	<p>S24/25 Avoid contact with skin and eyes.</p> <p>S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p> <p>S28 After contact with skin, wash immediately with plenty of water.</p>
2.3	Other hazards	None identified

SECTION 3: Composition/information on ingredients

3.1

Material	CAS number	Level	Hazards (see section 16)
Subtilisins	CAS no. 9014-01-1	1–1,5%	Acute Tox. 4 Aquatic Acute 1 Eye Dam. 1 STOT SE3 H315 H318 H302 H335 H334 H400
Lipase	CAS no. 9001-62-1	<0,1%	Resp Sens. 1 H334
Amylase	CAS no. 9000-90-2	<0,1%	Eye Dam. 1 Resp Sens. 1 Skin Irrit. 2 H315 H318 H334

SECTION 4: First Aid measures

4.1 Description of first aid measures

First - aid measures after inhalation:

If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.

First-aid measures after skin contact:

Remove contaminated clothing, wash skin with water and seek medical attention if irritation persists.

First-aid measures after eye contact:

Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.

First-aid measures after ingestion:

Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

	First aider PPE:	As required to prevent contact. See section 8.2.
4.2	Most important symptoms and effects, both acute and delayed	
	Symptoms/injuries after inhalation:	Breathing spray mist may cause irritation/ an allergic reaction.
	Symptoms/injuries after skin contact:	Prolonged or repeated contact may cause irritation/dryness.
	Symptoms/injuries after eye contact:	Will cause irritation.
4.3	Indication of any immediate medical attention and special treatment needed:	No special treatment or attention required additional to section 4.2.

SECTION 5: Fire Fighting Measures

	Flammability hazard:	Water based product. Not combustible.
5.1	Extinguishing media	No special requirements. As appropriate for the fire.
5.2	Special hazards arising from the mixture	No specific hazards arising from the mixture.
5.3	Advice for firefighters:	No special measures arising from the mixture

SECTION 6: Accidental Release Measures

6.1	Personal precautions, protective equipment and emergency procedures General measures:	Take precautions to avoid contact. Use Personal Protective Equipment as detailed in section 8. Spillage may make floors slippery. Keep the area clear. Observe regulations
6.2	Environmental precautions	Prevent spills from entering water courses
6.3	Methods and material for containment and cleaning up	Small quantities, mop up or use an inert absorbent. Large quantities, contain and absorb or pump into suitable containers for disposal.
6.4	Reference to other sections	Observe the advice given in sections 8 and 13

SECTION 7: Handling and Storage

	Shelf life:	24 months in original sealed containers.
7.1	Precautions for safe handling	Do not mix with other products. Observe good industrial hygiene.
7.2	Conditions for safe storage, including any incompatibilities	Store in a cool, dry place protected from frost and away from acids and strong oxidising agents. Store upright in original containers. Recommended storage temperature 5–25°C.
7.3	Product Uses	Dosing range 2–10ml/lt. Cleaning temperature (machine) 35–60°C. Cleaning temperature range (manual / ultrasonic) 30–50°C. Do not use on polycarbonate material. Check materials compatibility before use. Ensure complete rinsing after use. Do not mix with other chemicals. Enzymatic Detergent is validated for use in Getinge Washer Disinfectors.

SECTION 8: Exposure Control and Personal Protection

8.1 Control parameters

Workplace exposure limits		
Subtilisin	0.04 µg/m ³	WEL 8 hour TWA (EH40 UK)

8.2 Exposure controls

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye protection: Wear eye protection appropriate to the process according to BS EN 166.

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 spray mist, wear a protective mask to EN149 if necessary.

Other protection: Personal protective equipment:



Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Environmental protection: Prevent mixture from entering water courses.

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Straw liquid.
Odour:	Characteristic
pH as supplied (typical):	7.9 as supplied (typical), pH 7.7 at 5ml/l (typical)
Initial boiling point:	>100 °C.
Auto-ignition temperature:	Not applicable
Explosive properties:	Not applicable
Oxidising properties:	None
Flash point:	Not applicable
Vapour pressure:	No data
Relative density at 20 °C:	1.047 (typical)
Solubility:	Miscible with water.
Viscosity:	3.8 cSt

9.2 Other information

No additional information available.

SECTION 10: Stability and Reactivity

10.1	Reactivity	Incompatible with strong oxidising agents and acids.
10.2	Chemical stability	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions	No hazardous reactions are expected to occur.
10.4	Conditions to avoid	Extremes of temperature.
10.5	Incompatible materials	Incompatible with strong oxidising agents and acids.
10.6	Hazardous decomposition products	None known.

SECTION 11: Toxicological Information

11.1	Information on toxicological effects	
	Acute toxicity:	Based on available data, the classification criteria are not met.
	Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
	Serious eye damage/irritation:	Product is classified as a eye irritant. See section 2.

Respiratory or skin sensitisation:	Contains low level of sensitising material (see section 3), mixture is not classified as sensitising.
Germ cell mutagenicity:	Does not contain any ingredients classified as mutagenic.
Carcinogenicity:	Does not contain any ingredients classified as carcinogenic.
Reproductive toxicity:	Does not contain any ingredients classified as toxic for reproduction.
STOT single exposure:	Based on available data, the classification criteria are not met.
STOT repeated exposure:	Does not contain any ingredients classified as STOT RE.
Aspiration toxicity:	Does not contain any ingredients classified as Asp Tox.
Routes of exposure/ symptoms	
Eye contact:	Will cause irritation.
Skin contact:	Prolonged or repeated contact may cause irritation/dryness.
Inhalation:	Breathing spray mist may cause irritation/ allergic reaction.
Ingestion:	Not classified Calculated acute toxicity >10,000 mg/kg. Will cause irritation to gastro-intestinal tract.

SECTION 12: Ecological Information

12.1	Toxicity	Not classified as dangerous for the environment. All organic ingredients are biodegradable when well diluted.
12.2	Persistence and degradability	All organic ingredients are biodegradable when well diluted. Surfactants used meet biodegradability criteria see section 15.
12.3	Bioaccumulative potential	Not expected to bioaccumulate.
12.4	Mobility in soil	This product has high water solubility
12.5	Results of PBT and vPvB assessment	Contains no ingredients classified as PBT or vPvB.
12.6	Other adverse effects	No other adverse effects are anticipated.

SECTION 13: Disposal Considerations

13.1	Waste treatment methods	Process effluent can normally be discharged to foul sewer (subject to consent limits). Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted. Dispose of surplus product and packaging via a licenced chemical waste contractor.
------	-------------------------	--

SECTION 14: Transport Information

14.1	UN number	Not Classified Tariff/TARIC 3402 90 90
14.2	UN proper shipping name	N/A
14.3	Transport hazard class(es)	N/A
14.4	Packing group	N/A
14.5	Environmental hazards:	This product is not classified as environmentally hazardous
14.6	Special precautions for user	No specific precautions.
14.7	Transport in bulk according to Annex II of MARPOL 7 3/78 and the IBC Code	Not available for bulk transport.

 SECTION 15: Regulatory Information

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

Contents according to (EC) regulation No.648/2004 on detergents:

Nonionic surfactants	<5%	
Enzymes		
Preservative		

The surfactant(s) contained in this preparation comply with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them at their direct request.

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out.

 SECTION 16: Other Information

Hazard statements relating to ingredients (see section 3)

H315 Causes skin irritation.
 H318 Causes serious eye damage..
 H302 Harmful if swallowed
 H335 May cause respiratory irritation
 H334 May cause allergy or asthma symptoms of breathing difficulties if inhaled
 H400 Very toxic to aquatic life

Date of revision: 31 July 2014

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 sheet 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 construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.

END

GETINGE
GETINGE GROUP

Getinge Infection Control AB
P O Box 69, SE-305 05 Getinge, Sweden
Phone: +46 10 335 00 00
info@getinge.com
www.getinge.com

GETINGE GROUP

Getinge Group is a leading global provider of products and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. We operate under the three brands of ArjoHuntleigh, Getinge and Maquet. ArjoHuntleigh focuses on patient mobility and wound management solutions. Getinge provides solutions for infection control within healthcare and contamination prevention within life sciences. Maquet specializes in solutions, therapies and products for surgical interventions, interventional cardiology and intensive care.
