

# Getinge Clean

## Enzymatic Detergent

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

#### 1.1 Product identifier

Product code: XV1559  
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  
352 46 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)  
600 Great South Road  
Building B, Level 2  
Ellerslie, Auckland 1051  
NEW ZEALAND  
Phone: 0800 1 438 4643

Supplier Australia:  
Getinge Australia Pty Ltd  
1/160 Lytton Road  
Morningside, QLD 4170  
AUSTRALIA  
Phone: 1800 438 464

#### 1.4 Emergency telephone number

For emergency event of spillage, inhalation or ingestion of products, please contact the emergency hotline:

EU: +44 1235 239670  
Australia: +61 2 8014 4558  
Japan: +81 3 4578 9341  
China: 400 120 6011  
Middle East: +44 1235 239671  
New Zealand: +64 9 929 1483

## SECTION 2: Hazards identification (undiluted product)

### 2.1 Classification of the substance or mixture

According to 1272/2008

Health hazards:	Eye Irrit. 2.
Physical hazards:	Not classified.
Environmental hazards:	Not classified.

### 2.2 Label elements

According to 1272/2008

Warning



H319	Causes serious eye irritation
EUH208	Contains enzyme (subtilisins) and 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of water.
P405	Store locked up.

### 2.3 Other hazards

None identified.

## SECTION 3: Composition/information on ingredients

Material	CAS number	Level	Hazards (see section 16)
Subtilisins	9014-01-1	0-1%	Acute Tox. 4, H302 Aquatic Acute 1, H400 Eye Dam. 1, H318 Skin Irrit. 2, H315 STOT SE3, H335 Resp Sens. 1, H334
1,2-benzisothiazol-3(2H)-one	2634-33-5	<0.05 %	Aquatic Acute 1, H400 Aquatic Chronic 3, H412 Eye Dam. 1, H318 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H373
Lipase	9001-62-1	<0,1%	Resp Sens. 1, H334
Amylase	9000-90-2	<0,1%	Eye Dam. 1, H318 Resp Sens. 1, H334 Skin Irrit. 2, H315

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Eye contact:	Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.
Skin contact:	Remove contaminated clothing, wash skin with water and seek medical attention if irritation persists.
Inhalation:	If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.
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

Eye hazard:	Will cause irritation.
Skin hazard:	Prolonged or repeated contact may cause irritation/dryness.
Respiratory hazard:	Breathing spray mist may cause irritation/an allergic reaction.
Other hazards:	-

### 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 substance or 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**

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 2–10 ml/lit.

Cleaning temperature (machine) 35–60 °C.

Cleaning temperature range (manual/ultrasonic) 30–45 °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<sup>3</sup>, 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.
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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Straw liquid
Odour:	Characteristic
pH:	7.9 as supplied (typical) 7.7 at 5ml/l (typical)
Initial boiling point:	> 100 °C
Flash point:	N/A
Auto-ignition temperature:	N/A
Viscosity:	3.8 cSt
Explosive properties:	N/A
Oxidising properties:	None
Vapour pressure:	No data
Solubility:	Miscible with water
Relative density at 20 °C:	1.047 (typical)

### 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

Extreme temperatures.

### 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 an 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.

### 11.2 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:	Calculated acute toxicity >10,000 mg/kg. Will cause irritation to gastrointestinal 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).

Dispose of surplus product and packaging via a licenced chemical waste contractor.

Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.

## **SECTION 14: Transport information**

### **14.1 UN number**

Not classified.

### **14.2 UN proper shipping name**

Not applicable.

### **14.3 Transport hazard class(es)**

Not applicable.

### **14.4 Packing group**

Not applicable.

### **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 Regulation (EC) 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.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H302	Harmful if swallowed.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H373	May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.



Date of issue:  
2020-05-25

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.