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

1.1 Product Identifier

Product code: XV1610
Trade name: Getinge Clean Universal Detergent

1.2 Product Uses

A mild alkaline, enzymatic detergent for use to clean alkali resistant medical devices in a washer disinfector. To be used in ultrasonic bath and at manual cleaning.

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
E-mail: info@getinge.com

Supplier 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

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

According to 1272/2008

Health Hazards: Not Classified.
Physical Hazards: Not Classified.
Environmental Hazards: Not Classified.

2.2 Label elements

According to 1272/2008

EUH208 - Contains enzyme (subtilisins). May produce an allergic reaction.
P262 - Do not get in eyes, on skin, or on clothing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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

3.1

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS number</th>
<th>Level</th>
<th>Hazards (see section 16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtilisins</td>
<td>9014-01-1</td>
<td>0–1 %</td>
<td>Acute Tox. 4, Aquatic Acute 1, Eye Dam. 1, Resp Sens. 1, STOT SE 3 Skin Irrit. 2 H315 H318 H302 H335 H334 H400</td>
</tr>
<tr>
<td>Lipase</td>
<td>9001-62-1</td>
<td>&lt;0.1 %</td>
<td>Resp Sens. 1 H334</td>
</tr>
<tr>
<td>Amylase</td>
<td>9000-90-2</td>
<td>&lt;0.1 %</td>
<td>Eye Dam. 1, Resp Sens. 1, Skin Irrit. 2 H315 H318 H334</td>
</tr>
</tbody>
</table>

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: Not a hazard in normal use. Breathing spray mist may cause irritation/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

5.1 Extinguishing media

No special requirements. Use extinguishing media appropriate for primary source of 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

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, strong oxidising agents and sources of ignition. Store upright in original containers. Recommended storage temperature 5–25 °C.

7.3 Product Uses
Dose level 2–10 ml/lt. Cleaning temperature (machine) 50–60 °C. Manual/ultrasonic and for delicate equipment 40–50 °C. Do not use on polycarbonate. Check aluminium and other materials for compatibility before use. Ensure complete rinsing. Do not mix with other products.
SECTION 8: Exposure Control and Personal Protection

8.1 Control parameters

Workplace exposure limits
Subtilisins 0.04 μg/m³ 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 pvc or latex 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 according 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Clear pale yellow liquid</td>
</tr>
<tr>
<td>Odour:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>pH:</td>
<td>11.0 as supplied (typical) 9.3 at 5 ml/l (typical)</td>
</tr>
<tr>
<td>Initial boiling point:</td>
<td>&gt;100 ºC</td>
</tr>
<tr>
<td>Flash point:</td>
<td>N/A</td>
</tr>
<tr>
<td>Auto-ignition temperature:</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>4.6 cSt</td>
</tr>
<tr>
<td>Explosive properties:</td>
<td>None</td>
</tr>
<tr>
<td>Oxidising properties:</td>
<td>None</td>
</tr>
<tr>
<td>Vapour pressure:</td>
<td>No data</td>
</tr>
<tr>
<td>Solubility:</td>
<td>Miscible with water</td>
</tr>
<tr>
<td>Relative density at 20º C:</td>
<td>1.097 (typical)</td>
</tr>
</tbody>
</table>

9.2 Other information
SECTION 10: Stability and Reactivity

<table>
<thead>
<tr>
<th>10.1 Reactivity</th>
<th>Incompatible with strong oxidising agents and acids.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.2 Chemical stability</td>
<td>Stable under recommended storage conditions.</td>
</tr>
<tr>
<td>10.3 Possibility of hazardous reactions</td>
<td>No hazardous reactions are expected to occur.</td>
</tr>
<tr>
<td>10.4 Conditions to avoid</td>
<td>Extreme temperatures.</td>
</tr>
<tr>
<td>10.5 Incompatible materials</td>
<td>Incompatible with strong oxidising agents and acids.</td>
</tr>
<tr>
<td>10.6 Hazardous decomposition products</td>
<td>None known.</td>
</tr>
</tbody>
</table>

SECTION 11: Toxicological Information

<table>
<thead>
<tr>
<th>11.1 Information on toxicological effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity: Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td>Skin corrosion/irritation: Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td>Serious eye damage/irritation: Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td>Classification</td>
</tr>
<tr>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
</tr>
<tr>
<td>Carcinogenicity:</td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
</tr>
<tr>
<td>STOT single exposure:</td>
</tr>
<tr>
<td>STOT repeated exposure:</td>
</tr>
<tr>
<td>Aspiration toxicity:</td>
</tr>
<tr>
<td>Routes of exposure/symptoms</td>
</tr>
<tr>
<td>Eye contact:</td>
</tr>
<tr>
<td>Skin contact:</td>
</tr>
<tr>
<td>Inhalation:</td>
</tr>
<tr>
<td>Ingestion:</td>
</tr>
</tbody>
</table>
SECTION 12: Ecological Information

12.1 Toxicity
Not classified as dangerous for the environment.

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

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1</td>
<td>UN Number:</td>
<td>Not classified. Tariff/TARIC 3402 90 90</td>
</tr>
<tr>
<td>14.2</td>
<td>UN Proper Shipping Name:</td>
<td>N/A</td>
</tr>
<tr>
<td>14.3</td>
<td>Transport Hazard Class(es):</td>
<td>N/A</td>
</tr>
<tr>
<td>14.4</td>
<td>Packing Group:</td>
<td>N/A</td>
</tr>
<tr>
<td>14.5</td>
<td>Environmental hazards:</td>
<td>This product is not classified as environmentally hazardous.</td>
</tr>
<tr>
<td>14.6</td>
<td>Special precautions for user</td>
<td>No specific precautions.</td>
</tr>
<tr>
<td>14.7</td>
<td>Transport in bulk according to Annex II of MARPOL 7 3/78 and the IBC Code</td>
<td>Not available for bulk transport.</td>
</tr>
</tbody>
</table>
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:

Amphoteric surfactants: <5 %  Enzymes
Anionic surfactants: <5 %  Preservative
Nonionic surfactants <5 %

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