Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product Code(s)          EC010
Product Name            Control Standard Endotoxin – 10 ng/vial
Synonyms                CSE – 10ng/vial
Contains Lipopolysaccharides, escherichia coli

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended Use        Endotoxin Standard Curve for the Detection of Endotoxin
Uses advised against   No information available

1.3. Details of the supplier of the safety data sheet
Importer                Associates of Cape Cod International
Deacon Park, Moorgate Road
Knowsley, Liverpool, UK, L33 7RX
TEL: (+44) 151 547 7444
For further information, please contact, E-mail Address
bmarkley@acciusa.com
Supplier                Associates of Cape Cod, Inc
124 Bernard E St Jean Dr
E Falmouth, MA 02536
TEL: 508-540-3444
1.4. Emergency telephone number
Emergency Telephone Number
CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
+1-800-424-9300 (NORTH AMERICA)
Europe                  112

Section 2. Hazards identification

2.1. - Classification of the substance or mixture
REGULATION (EC) No 1272/2008
Acute Oral Toxicity       Category 2
Physical Hazards
None

2.2. Label Elements

Signal Word           Danger
Hazard Statements
H300 - Fatal if swallowed
Precautionary Statements
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P330 - Rinse mouth
P405 - Store locked up
P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other information
No information available.

Section 3. Composition/information on ingredients

3.1. Substances
3.2. Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC-No</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>EU - GHS Substance Classification</th>
<th>REACH No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lipopolysaccharides, escherichia coli</td>
<td>297-473-0</td>
<td>93572-42-0</td>
<td>99-100</td>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

General Advice
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye Contact
Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. Get medical attention if symptoms occur.

Skin Contact
Wash skin with soap and water. Get medical attention if symptoms occur.

Ingestion
Immediate medical attention is required. Rinse mouth with water. Never give anything by mouth to an unconscious person.

Inhalation
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Consult a physician.

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

Most Important Symptoms/Effects

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media
Dry chemical, CO₂, water spray or alcohol-resistant foam.

Extinguishing media which must not be used for safety reasons
No information available.

5.2. Special hazards arising from the substance or mixture
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
None known based on information supplied.

5.3. Advice for firefighters
Special protective equipment for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid breathing vapors or mists. Ensure adequate ventilation. Evacuate personnel to safe areas.

Advice for emergency responders
For personal protection see section 8.

6.2. Environmental precautions
Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and materials for containment and cleaning up
Avoid dust formation. Shovel or sweep up. Pick up and transfer to properly labeled containers. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections
Disposal - Refer to Section 13.

Section 7. Handling and storage

7.1. Precautions for Safe Handling
Handling
Avoid contact with skin and eyes. Wear personal protective equipment. Avoid formation of aerosols.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Keep at temperatures between 2 °C and 8 °C.

7.3. Specific end use(s)
Specific Uses
Laboratory chemical/standard

Exposure Scenario
No information available.

Other Guidelines
No information available.
Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits  This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological occupational exposure limits  This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level  No information available.

Predicted No Effect Concentration (PNEC)  No information available.

8.2. Exposure controls

Engineering Measures  Showers  Eyewash stations  Ventilation systems

Personal protective equipment  Personal protection equipment should be chosen according to the CEN standards

Eye Protection  Safety glasses with side-shields. Face-shield. The selected protective eyewear have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 166 derived from it.

Skin and Body Protection  Wear full protective suit.

Hand Protection  Protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

Respiratory Protection  When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental Exposure Controls  Prevent product from entering drains.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Solid (compressed)</th>
<th>Appearance</th>
<th>Colorless</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Unknown</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ - Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No data available</td>
<td>None known</td>
</tr>
</tbody>
</table>

| Vapor Pressure            | No data available.  | None known         |
| Vapor Density             | No data available.  | None known         |
| Relative Density          | No data available.  | None known         |
| Water Solubility          | Not applicable      | None known         |
Solubility in other solvents: No data available
Partition coefficient: n-octanol/water: No data available
Autoignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available

9.2. Other information
VOC Content (%): No information available

Section 10. Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid
Incompatible products.

10.5. Incompatible materials
Strong oxidizing agents.

10.6. Hazardous decomposition products
None under normal use.

Section 11. Toxicological information

11.1. Information on toxicological effects

Acute Toxicity
Product Information
Inhalation: Avoid breathing vapors or mists.
Eye Contact: Contact with eyes may cause irritation.
Skin Contact: No known hazard in contact with skin.
Ingestion: Fatal if swallowed.

Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:
LD50 Oral: 48.30 mg/kg

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lipopolysaccharides, escherichia coli</td>
<td>= 48300 µg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lactose</td>
<td>&gt; 10 g/kg (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyethylene glycol</td>
<td>&gt; 20 g/kg (Rabbit)</td>
<td>&gt; 20 g/kg (Rabbit)</td>
<td></td>
</tr>
</tbody>
</table>

Sensitization: Not expected to be a sensitizer.
Mutagenic Effects: Based on available data, the classification criteria are not met.
Carcinogenic Effects: Based on available data, the classification criteria are not met.
Reproductive Toxicity
Based on available data, the classification criteria are not met.

Developmental Toxicity
Based on available data, the classification criteria are not met.

STOT - single exposure
Based on available data, the classification criteria are not met

STOT - repeated exposure
Based on available data, the classification criteria are not met

Aspiration Hazard
None of the ingredients are known to be an aspiration hazard.

Section 12. Ecological information

12.1. Toxicity
Ecotoxicity Effects
Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

12.2. Persistence and degradability
No information available.

12.3. Bioaccumulative potential
No information available.

12.4. Mobility in soil
Adsorbs on soil.

12.5. Results of PBT and vPvB assessment
No information available.

12.6. Other adverse effects
This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods
Waste from Residues / Unused Products
Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated Packaging
Dispose of unused product.

Section 14. Transport information

IMDG/IMO
14.1. UN-Number
Not regulated.

14.2. Proper Shipping Name
Not regulated.

14.3. Hazard Class
Not regulated.
14.4. Packing Group
   Description Not regulated.
14.5. Marine Pollutant None
14.6. Special Provisions None
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
   No information available.

RID
14.1. UN-Number Not regulated.
14.2. Proper Shipping Name Not regulated.
14.3. Hazard Class Not regulated.
14.4. Packing Group
   Description Not applicable.
14.5. Environmental hazard None
14.6. Special Provisions None

ADR
14.1. UN-Number Not regulated.
14.2. Proper Shipping Name Not regulated.
14.3. Hazard Class Not regulated.
14.4. Packing Group
   Description Not applicable.
14.5. Environmental hazard None
14.6. Special Provisions None

ICAO
14.1. UN-Number Not regulated.
14.2. Proper shipping name Not regulated.
14.3. Hazard Class Not regulated.
14.4. Packing Group
   Description Not applicable.
14.5. Environmental hazard None
14.6. Special Provisions None

IATA
14.1. UN-Number Not regulated.
14.2. Proper Shipping Name Not regulated.
14.3. Hazard Class Not regulated.
14.4. Packing Group
   Description Not applicable.
14.5. Environmental hazard None
14.6. Special Provisions None

Section 15. Regulatory information

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

   International Inventories
   Contact supplier for inventory compliance status

15.2. Chemical Safety Assessment
   No information available

Section 16. Other information
Key literature references and sources for data
www.ChemADVISOR.com/

Issuing Date 01-Nov-2017
Revision Date 01-Nov-2017
Revision Note Initial Release.


General Disclaimer
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End of Safety Data Sheet