

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

1.1. Product identifier

Product Code(s) E0005 and E0125

Product Name Control Standard Endotoxin

Synonyms CSE
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 | Supplier |
| Associates of Cape Cod International | Associates of Cape Cod, Inc |
| Deacon Park, Moorgate Road | 124 Bernard E St Jean Dr |
| Knowsley, Liverpool, UK, L33 7RX | E Falmouth, MA 02536 |
| TEL: (++44) 151 547 7444 | TEL: 508-540-3444 |

1.4. Emergency telephone number

Emergency Telephone Number CHEMTEL: +1-360-256-7365 (INTERNATIONAL)
+1-800-704-9215 (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**

| Chemical Name | EC-No | CAS-No | Weight % | EU - GHS Substance Classification | REACH No. |
|---------------------------------------|-----------|------------|----------|-----------------------------------|-------------------|
| Lipopolysaccharides, escherichia coli | 297-473-0 | 93572-42-0 | 99-100 | | No data available |

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** Ingestion may cause gastric disturbances. Vomiting. Diarrhea. Nausea.**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**

| | | | |
|-----------------------|--------------------|-------------------|-----------|
| Physical State | Solid (compressed) | Appearance | Colorless |
| Odor | Unknown | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks/ - Method</u> |
|---|--------------------|--------------------------|
| pH | No data available | None known |
| Melting Point/Range | No data available | None known |
| Boiling Point/Boiling Range | No data available | None known |
| Flash Point | No data available | None known |
| Evaporation rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limits in Air | No data available | None known |
| 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 | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition Temperature | No data available | None known |
| Decomposition Temperature | No data available | None known |
| Viscosity | No data available | None known |

| | |
|-----------------------------|--------------------------|
| Explosive Properties | No information available |
| Oxidizing Properties | No information 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

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------------------------|-----------------------|-------------|-----------------|
| Lipopolysaccharides, escherichia coli | = 48300 µg/kg (Rat) | | |

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 | Not regulated. |
| Description | Not applicable. |
| 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 | Not regulated. |
| 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 | Not regulated. |

| | |
|----------------------------|-----------------|
| 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 | Not regulated. |
| 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 | Not regulated. |
| 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/

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Revision Note 2

This safety data sheet complies with the requirements of Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006

General Disclaimer

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End of Safety Data Sheet