

SAFETY DATA SHEET
SOLUS E.COLI O157 ELISA ASSAY

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Revision No: 1

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

1.1. Product identifier

Product name: SOLUS E.COLI O157 ELISA ASSAY

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC21: Laboratory chemicals.

1.3. Details of the supplier of the safety data sheet

Company name: Solus Scientific Solutions Ltd
Unit 9, Mansfield Network Centre
Millenium Business Park, Concorde Way
Mansfield
Nottinghamshire
NG19 7JZ
United Kingdom

Tel: +44 (0) 1623 429701

Email: info@solusscientific.com

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

Label elements:

Precautionary statements: P270: Do not eat, drink or smoke when using this product.

P233: Keep container tightly closed.

P235+410: Keep cool. Protect from sunlight.

P281: Use personal protective equipment as required.

2.3. Other hazards

Other hazards: Light sensitive May cause skin irritation May cause eye irritation May cause irritation of the throat Conjugate reagent component of kit contains <0.01% of E.Coli 0157 antibodies conjugated to Horse raddish peroxidase; Treat as harmful if swallowed.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

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3.1. Substances

Chemical identity: SOLUS E.COLI O157 ELISA ASSAY

Contains: Kit contains several component parts. These parts are manufactured using various products not classified as hazardous according to EC Regulations, 1272/200/, EC Directives 67548/EEC, 1999/45/EC and OSHA Hazard communication standard 29CFR 1910-120.

Where a component part uses products that are classified as hazardous according to EC Regulations, 1272/200/, EC Directives 67548/EEC, 1999/45/EC and OSHA Hazard communication standard 29CFR 1910-120, they are listed below.

Tris(hydroxymethyl)aminomethane; CAS;77-86-1; H319; H335:H319 <5%

Sulphuric acid; CAS 7664-93-9; H290; H314; 0.2M aqueous solution, (<5% sulphuric acid)

Hydrochloric acid, CAS 7647-01-0; H290;H335:H314, 2M; <5%

Hydrochloric acid, 37%; CAS 7647-01-0; H290;H335:H314, <3%

Bovine serum albumin; H335; <5%

Antifoam solution; H319 <1%

5-Chloro-2-methyl-4-isothiazolin-one and 2-methyl-2H-isothiazol-3-one solution in glycols (3:1);H302:H314:H331:H315; <0.1%; (Proclin 300)

Conjugate reagent component of kit contains <0.01% of E.coli 0157 antibody conjugated to Horse raddish peroxidase; H302.

At the level of concentrations shown above the substances are not classified as hazardous according to EC Regulations, 1272/200/, EC Directives 67548/EEC, 1999/45/EC and OSHA Hazard communication standard 29CFR 1910-1200

TMB substrate; (3,3',5,5'-Tetramethylbezdine dihydrochloride with ,0.5% (N-methylpyrrolidone; Cas; 872-50-4; H360D; H319) AL Tox a/s has concluded the mixture is not classified according to EC(67/548 or 1999/45) and CLP 1272/2008

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Do not induce vomiting. Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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Delayed / immediate effects: No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: No data available.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a suitable container.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep away from direct sunlight. Refrigerate

7.3. Specific end use(s)

Specific end use(s): PC21: Laboratory chemicals.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

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8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Not applicable.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Multi component kit

9.2. Other information

Other information: Kit consists of microwell plate(s) and various liquid solutions

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Light sensitive.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Direct sunlight. Heat.

10.5. Incompatible materials

Materials to avoid: Oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

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Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: No data available.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Not applicable.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of used plates as hazardous waste. Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Dispose of as unused product

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

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Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

This msds was generated by Scafell Organics Ltd Nottingham Tel 01949 823777. e-mail kath@scafellorganics.com

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