

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

**1.1. Product identifier**

**Product name:** SOLUS ONE LISTERIA

**Synonyms:** LIS1-0480

LIS1-0096

**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:** solus.info@perkinelmer.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+P410: 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

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

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## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** SOLUS ONE LISTERIA

**Contains:** Kit contains several component parts. These parts are manufactured using various products not classified as hazardous according to EC Regulations, 1272/2008, 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, 1272/2008 EC Directives 67548/EEC, 1999/45/EC and OSHA Hazard communication standard 29CFR 1910-120, they are listed below.

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

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

Bovine serum albumin; H335; <5%

Antifoam solution; H319 <1%

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

Proclin 300; Cas 2682-20-4; H314; H317;H411;H332; H312; H302; <0.1%

Proclin 950; H314;H317;H400 <0.2%

Sodium hydroxide 40% solution: Cas 1310-73-2; H290; H314; <0.2%

At the level of concentrations shown above the substances are not classified as hazardous according to EC Regulations, 1272/2008 EC Directives 67548/EEC, 1999/45/EC and OSHA Hazard communication standard 29CFR 1910-1200

Brain heart infusion broth;Substance 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'-Tetramethylbezidine 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

0.01% of Nigrosin dye added to control; Cas 8005-03-6;

Heat killed E.Coli NCT11560 in brain infusion broth; <0.01%

Heat inactivated Foetal calf serum;<15%

Bovine gamma globulin;Cas 9007-83-4; <0.1%

Biotinylated Listeria Polyclonal capture antibody; <0.1%

Heat killed Listeria innocua LMG11387 in brain heart infusion broth; <0.1%

Listeria Mouse monoclonal conjugated Ab( conjugated to HRP); <0.1%

## Section 4: First aid measures

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## 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.

**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.

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## 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.

### 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:** No data available.

[cont...]

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## 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.

**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.

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## 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

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

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

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.