SAFETY DATA SHEET

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

Identification of the substance or mixture

<table>
<thead>
<tr>
<th>Product code</th>
<th>17101015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Collagenase Type II</td>
</tr>
</tbody>
</table>

Company/undertaking identification

Life Technologies
5791 Van Allen Way
PO Box 6482
Carlsbad, CA 92008
+1 760 603 7200

LIFE TECHNOLOGIES LIMITED
3 FOUNTAIN DRIVE
INCHINNAN BUSINESS PARK
PAISLEY, PA4 9RF
SCOTLAND
44-141 814-6100

24 hour Emergency Response:
866-536-0631
301-431-8585
Outside of the U.S. ++1-301-431-8585

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

SECTION 2: Hazards identification

In accordance with local and national regulations
In accordance with local and national regulations Regulation (EC) No 1272/2008 Classification according to Directive 67/548/EEC or 1999/45/EC

GHS - Classification

Signal word
Not Hazardous

Health hazards
Not Hazardous

Physical hazards
Not Hazardous
**European Union**

**EU Specific Hazard Statements**

R-phrase(s)
None

S phrases
S22 - Do not breathe dust

**Principle Routes of Exposure/ Potential Health effects**

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>eyes</td>
<td>May cause eye irritation with susceptible persons.</td>
</tr>
<tr>
<td>Skin</td>
<td>May cause skin irritation in susceptible persons.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>May be harmful by inhalation.</td>
</tr>
<tr>
<td>INGESTION</td>
<td>May be harmful if swallowed.</td>
</tr>
</tbody>
</table>

**Specific effects**

- Carcinogenic effects: None
- Mutagenic effects: None
- Reproductive toxicity: None
- Sensitisation: None

**Target Organ Effects**

No known effects under normal use conditions

**SECTION 3: Composition/information on ingredients**

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

**SECTION 4: First aid measures**

**Skin contact**
Rinse cautiously with water for several minutes. If symptoms occur, obtain medical advice.

**Eye contact**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a doctor.

**INGESTION**
Never give anything by mouth to an unconscious person. If symptoms persist, call a doctor. Do not induce vomiting without medical advice.

**Inhalation**
Remove to fresh air. If symptoms persist, call a doctor. If not breathing, give artificial respiration.

**Notes to Physician**
Treat symptomatically.

**SECTION 5: Firefighting measures**

**Suitable extinguishing media**

**Special protective equipment for firefighters**
Wear self-contained breathing apparatus and protective suit.

**SECTION 6: Accidental release measures**
Eye protection
Safety glasses with side-shields.

Environmental precautions
Prevent further leakage or spillage if safe to do so.

See Section 12 for more information.

SECTION 7: Handling and storage

Handling
Always wear recommended Personal Protective Equipment. Wear personal protective equipment.

Storage
Keep in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

Exposure Limits
The product does not contain any hazardous materials with occupational exposure limits established.

Engineering measures
Ensure adequate ventilation, especially in confined areas.

Personal protective equipment
Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

Hand Protection
Impervious gloves.

Eye protection
Safety glasses with side-shields.

Skin and body protection
Lightweight protective clothing.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls
Prevent product from entering drains.

SECTION 9: Physical and chemical properties

General information
Form
powder

Appearance
No information available

Odour
No information available

Boiling point / boiling range
°C no data available °F no data available
Acute toxicity

Not Hazardous.

Principle Routes of Exposure/
Potential Health effects

eyes May cause eye irritation with susceptible persons
Skin May cause skin irritation in susceptible persons
Inhalation May be harmful by inhalation
INGESTION May be harmful if swallowed

Carcinogenic effects None
Mutagenic effects None
Reproductive toxicity None
Sensitisation None

Target Organ Effects No known effects under normal use conditions

SECTION 11: Toxicological information

Ecotoxicity No information available
Mobility No information available
Biodegradation Inherently biodegradable.
Bioaccumulation Material does not bioaccumulate

SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

IATA
Proper shipping name: Not classified as dangerous in the meaning of transport regulations.
Hazard Class: None
Subsidiary class: None
Packing group: None
UN-No: None

SECTION 15: Regulatory information

International Inventories

Complies

SECTION 16: Other information

Reason for revision: SDS sections updated

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End of Safety Data Sheet