

Safety Data Sheet

COLLAGENASE TYPE I (0.25%)**EFFECTIVE DATE: 2015-02-18**

1 Product and Company Identification

- 1.1 Product Name:** Collagenase Type I (0.25%)
- 1.2 Catalog Number:** 07902
- 1.3 Synonyms:** Not Available
- 1.4 Product Use:** Cell Culture
- 1.5 Manufacturer/Supplier:** STEMCELL Technologies
Suite 500-1618 Station Street
Vancouver, British Columbia V6A 1B6 Canada
- 1.6 In Case of Emergency Call:** 1-800-667-0322

2 Hazards Identification

- 2.1 Classification of the substance or mixture**
Not a hazardous substance or mixture.
- 2.2 Label elements**
Not a hazardous substance or mixture.
- 2.3 Other hazards** None

3 Composition / Information on Ingredients

- 3.1 Mixtures**
No components need to be disclosed according to the applicable regulations.

4 First Aid Measures

- 4.1 Description of first aid measures**
- 4.1.1 If inhaled**
If breathed in, move person into fresh air. If not breathing, give artificial respiration.
- 4.1.2 In case of skin contact**
Wash off with soap and plenty of water.
- 4.1.3 In case of eye contact**
Flush eyes with water as a precaution.
- 4.1.4 If swallowed**
Never give anything by mouth to an unconscious person. Rinse mouth with water.
- 4.2 Most important symptoms and effects, both acute and delayed**
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
- 4.3 Indication of any immediate medical attention and special treatment needed**
No data available

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5 Fire Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Fire Fighting Instructions

Wear self-contained breathing apparatus for firefighting if necessary.

6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas.

For personal protection see section 8.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

7 Handling and Storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.

8 Exposure Controls/Personal Protection

8.1 Exposure limits

Contains no substances with occupational exposure limit values.

8.2 Engineering controls

Use mechanical exhaust or laboratory fumehood to avoid exposure.

8.3 Personal protective equipment

8.3.1 Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

8.3.2 Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

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Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

8.3.3 Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8.3.4 General hygiene considerations

General industrial hygiene practice.

9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|--|-------------------|
| Appearance | Clear liquid |
| Odour | No data available |
| Odour threshold | No data available |
| Melting point/freezing point | No data available |
| Boiling point/boiling range | No data available |
| Decomposition temperature | No data available |
| Relative density | No data available |
| Solubility in water | No data available |
| Solubility in other liquids | No data available |
| pH | No data available |
| Partition coefficient: n-octanol/water | No data available |
| Viscosity | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Evaporation rate | No data available |
| Flash point | No data available |
| Flammability (solid, gas) | No data available |
| Upper/lower flammability or explosive limits | No data available |
| Auto-ignition temperature | No data available |

9.2 Other information

No data available

10 Stability and Reactivity

| | |
|---|-------------------|
| 10.1 Reactivity | No data available |
| 10.2 Chemical stability | No data available |
| 10.3 Possibility of hazardous reactions | No data available |
| 10.4 Conditions to avoid | No data available |

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| | |
|--|-------------------|
| 10.5 Incompatible materials | No data available |
| 10.6 Hazardous decomposition products | No data available |

11 Toxicological Information**11.1 Acute toxicity**

No data available

11.2 Skin corrosion/irritation

No data available

11.3 Serious eye damage/eye irritation

No data available

11.4 Aspiration hazard

No data available

11.5 Specific target organ toxicity - single exposure

No data available

11.6 Specific target organ toxicity - repeated exposure

No data available

11.7 Respiratory and/or skin sensitization

No data available

11.8 Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

11.9 Reproductive toxicity

No data available

11.10 Germ cell mutagenicity

No data available

11.11 Signs and symptoms of exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

11.12 RTECS # No data available**12 Ecological Information**

| | |
|---|-------------------|
| 12.1 Toxicity | No data available |
| 12.2 Persistence and degradability | No data available |
| 12.3 Bioaccumulative potential | No data available |
| 12.4 Mobility in soil | No data available |

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12.5 Other adverse effects No data available

13 Disposal Considerations

13.1 Waste disposal method Dispose in accordance with local, provincial/state, and federal regulations.

14 Transport Information

14.1 UN number No data available

14.2 UN proper shipping name

| | |
|---------|---------------------|
| DOT | Not dangerous goods |
| ADR/RID | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | Not dangerous goods |

14.3 Transport hazard class(es) No data available

14.4 Packing group No data available

14.5 Environmental hazards No data available

14.6 Special precautions No data available

15 Regulatory Information

15.1 WHMIS Classification

Not WHMIS controlled

15.2 Regulatory information statement

This SDS was prepared according to the Canadian Controlled Products Regulation and contains all the information required by those regulations.

This SDS was prepared in accordance with Regulation (EC) No.1272/2008 and European Directive 67/548/EEC as amended.

16 Other Information

16.1 Prepared by: Quality Control, STEMCELL Technologies Inc.

16.2 Revision: N/A

16.3 Notice: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. STEMCELL Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the product. The information contained in this Safety Data Sheet (SDS) is current as of the Effective Date shown in this document and may be subject to amendment by STEMCELL Technologies Inc.

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