

Material Safety Data Sheet

Trypsin-EDTA

Cat. No: 07901

1 Product and Company Identification

- 1.1 **Product Name:** Trypsin-EDTA
1.2 **Catalogue Number:** 07901
1.3 **Synonyms:** Not Available
1.4 **Product Use:** Cell Culture
1.5 **Manufacturer/Supplier:** STEMCELL Technologies Inc.
Suite 400, 570 West 7th Avenue
Vancouver, BC V5Z 1B3
Canada
1.6 **In Case of Emergency Call:** 604-877-0713
1.7 **Date Prepared:** December 14, 2011
1.8 **Prepared By:** Quality Control

2 Composition / Information on Ingredients

2.1 Component	CAS No.	%W/W
Trypsin	9002-07-7	0.25
EDTA Tetrasodium Salt Dihydrate	10378-23-1	.038

3 Hazards Identification

- 3.1 **Emergency Overview:** This product is a potential irritant to eyes, respiratory system, and skin. This product may also be harmful if ingested. Complete toxicological properties have yet to be determined.
- 3.2 **Routes of Exposure:** Absorbed through skin, eye contact, inhalation, and ingestion.
- 3.3 **Potential Health Effects:**
- 3.3.1 **Eye:** May cause eye irritation.
- 3.3.2 **Skin:** May cause skin irritation.
- 3.3.3 **Inhalation:** May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Targets lungs.
- 3.3.4 **Ingestion:** May be harmful if swallowed.
- 3.4 **Chronic Effects/Carcinogenicity:** Not Available
- 3.5 **OSHA Regulatory Status:** Not Available

4 First Aid Measures

- 4.1 **Eyes:** In case of contact with eyes, flush thoroughly with water for at least 15 minutes. Assure adequate flushing by separating eyelids. Check for and remove contact lenses. Call a physician if symptoms develop (redness, itching, etc.).
- 4.2 **Skin:** In case of contact with skin, wash the affected area with soap and copious amounts of water. Remove contaminated clothing and wash before reuse. Should irritation occur, contact a physician.

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- 4.3 Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.
- 4.4 Inhalation:** If inhaled, remove person to fresh air. If breathing becomes difficult, call a physician.
- 4.5 Puncture Wounds:** Wash thoroughly with soap and water. Allow to bleed freely. Call a physician.
- 4.6 Note to Physician:** Treat symptomatically.

5 Fire Fighting Measures

- 5.1 Flash Point/Method:** Not Available
- 5.2 Explosive Limits:**
- 5.2.1 Upper:** Not Available
- 5.2.2 Lower:** Not Available
- 5.3 Autoignition Temperature:** Not Available
- 5.4 Hazardous Combustion Products:** Not Available
- 5.5 Conditions of Flammability:** Not Available
- 5.6 Extinguishing Media:** Use extinguishing media appropriate to surrounding fire conditions.
- 5.7 Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing to avoid contact with skin and eyes.
- 5.8 Explosion Data:**
- 5.8.1 Sensitivity to Mechanical Impact:** Not Available
- 5.8.2 Sensitivity to Static Discharge:** Not Available

6 Accidental Release Measures

- 6.1 Leak and Spill Procedure:** Wear self-contained breathing apparatus, chemical-resistant gloves and rubber boots. Absorb spill on sand or vermiculate and place in closed container for disposal. Ventilate and wash area thoroughly after clean-up is complete.

7 Handling and Storage

- 7.1 Handling:** Should be handled by trained personnel observing good laboratory practices. Avoid breathing vapor. Avoid skin contact or swallowing. May cause allergic reaction in sensitized individuals.
- 7.2 Storage:** Store at -20°C. Keep tightly closed.

8 Exposure Controls/Personal Protection

- 8.1 Engineering Controls:** Use with adequate ventilation, safety shower, eye bath.
- 8.2 Personal Protective Equipment:**
- 8.2.1 Respiratory Protection:** No respiratory protection needed under normal industrial operating conditions.

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8.2.2 Eye Protection:	Safety glasses.
8.2.3 Skin Protection:	Lab coat, latex gloves.
8.3 General Hygiene Considerations:	Wash hands after use.
8.4 Exposure Limits:	
8.4.1 ACGIH TLV-TWA:	Not Available
8.4.2 OSHA PEL-TWA:	Not Available

9 Physical/Chemical Properties:

9.1 Appearance:	Red liquid
9.2 Odor:	None
9.3 Physical State:	Liquid
9.4 pH:	Approximately 7.2 – 7.4
9.5 Boiling Point:	Not Available
9.6 Melting Point:	Not Available
9.7 Freezing Point:	Not Available
9.8 Vapor Pressure:	Not Available
9.9 Vapor Density:	Not Available
9.10 Specific Gravity:	Not Available
9.11 Evaporation Rate:	Not Available
9.12 Solubility in Water:	Not Available
9.13 Odor Threshold:	Not Applicable
9.14 Coefficient of Water/Oil Distribution:	Not Available

10 Stability/Reactivity:

10.1 Chemical Stability:	Stable
10.2 Conditions to Avoid:	Not Available
10.3 Incompatibility (Material to Avoid):	Strong oxidizing agents.
10.4 Hazardous Decomposition/By-Products:	Not Available
10.5 Hazardous Polymerization:	Not Available

11 Toxicological Information

11.1 Effects of Short-Term Exposure:	EDTA Trypsin	RTECS #: AH4410000 RTECS #: YN5075000
11.2 Effects of Long-Term Exposure:	Not Available	
11.3 Irritancy of Product:	Not Available	
11.4 Sensitization to Product:	Not Available	

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11.5 Carcinogenicity:	Not Available
11.6 Reproductive Toxicity:	Not Available
11.7 Teratogenicity and Embryotoxicity:	Not Available
11.8 Mutagenicity:	Not Available
11.9 Name of Toxicologically Synergistic Products:	Not Available
11.10 LD50 (specify species and route):	Rat (Oral): >5 g/kg Rat (IPR): >51mg/kg Rat (IVN): 36 mg/kg Rat (IMS): 200 mg/kg Mouse (Oral): 1450 mg/kg Mouse (IPR): 100 mg/kg Mouse (IVN): 11100 ug/kg Mouse (IMS): 105 mg/kg Rabbit (IVN): 2200 ug/kg
11.11 LC50 (specify species):	Not Available

12 Ecological Information

12.1 Not Available. Bioconcentration not expected to occur.

13 Disposal Considerations

13.1 Waste Disposal Method: Dissolve or mix material with a combustible solvent and burn in a chemical incinerator with an afterburner and scrubber. Disposal should be in accordance with existing practices at your institution. Observe all Federal, Provincial/State and Local Laws.

14 Transport Information

14.1 Transport Canada

14.1.1 PIN No.: Not Available

14.2 U.S. Department of Transportation:

14.2.1 Proper Shipping Name: None

14.2.2 Hazard Class: This substance not known to be hazardous for transport.

14.2.3 ID. Number: Not Available

14.2.4 Packing Group: Not Available

14.2.5 Label Statement: Not Available

15 Regulatory Information

15.1 WHMIS Classification: Not Available

15.2 Note: This MSDS was prepared according to the Canadian Controlled Products Regulation and contains all the information required by those regulations.

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16 Other Information

16.1 Preparation Information: Refer to PIS No. 07901.

16.2 This MSDS has been revised in the following section(s): 9.4

16.3 Original Issue Date: October 1, 2001.

16.4 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 Material Safety Data Sheet (MSDS) is current as of the Date Prepared shown in Section 1.7 of this document and may be subject to ammendment by StemCell Technologies Inc.

16.5 Disclaimer: **THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT USED FOR DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**