

Material Safety Data Sheet

EpiCult[®]-C Supplement (Human)

Cat. No: 05632

1 Product and Company Identification

- 1.1 Product Name:** EpiCult[®]-C Supplement (Human)
- 1.2 Catalogue Number:** 05632
- 1.3 Synonyms:** Not Applicable.
- 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:** March 25, 2010
- 1.8 Prepared By:** Quality Control

2 Composition / Information on Ingredients

2.1 Component	CAS No.	%W/W
Apo-Transferrin (Human)	11096-37-0	Not Available

3 Hazards Identification

- 3.1 Emergency Overview:** Contains potentially biohazardous material derived from human blood. As with all human derivatives, universal handling precautions are recommended. 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:** Contact with eyes may cause irritation.
- 3.3.2 Skin:** Contact with skin may cause irritation.
- 3.3.3 Inhalation:** If inhale, remove to fresh air. If breathing becomes difficult, call a physician.
- 3.3.4 Ingestion:** May be harmful if swallowed.
- 3.4 Chronic Effects/Carcinogenicity:**
- 3.4.1 Target Organ(s):** 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. Call a physician.
- 4.2 Skin:** In case of contact with skin, wash the affected area with soap and copious amounts of water. Should irritation occur, contact a physician.
- 4.3 Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

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- 4.4 **Inhalation:** If inhaled, remove 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:** Not Available.

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:** Water spray, dry chemical powder or appropriate foam.
- 5.7 **Explosion Data:**
- 5.7.1 **Sensitivity to Mechanical Impact:** Not Available.
- 5.7.2 **Sensitivity to Static Discharge:** Not Available.

6 Accidental Release Measures

- 6.1 **Leak and Spill Procedure:** Wear chemical-resistant gloves. Absorb spill and place in a closed container for disposal. Wash area thoroughly after clean-up is complete.

7 Handling and Storage

- 7.1 **Handling:** Human transferrin used in this product has been derived from human plasma. Venous blood of each donor has been tested for hepatitis B surface antigen (HbsAg) and anti-HIV-1 and/or HIV-1 antigen. However, this product should be considered potentially infectious and treated in accordance with universal handling precautions. May cause allergic reactions in sensitized individuals.
- 7.2 **Storage:** Store at -20°C.

8 Exposure Controls/Personal Protection

- 8.1 **Engineering Controls:** Use with adequate ventilation.
- 8.2 **Personal Protective Equipment:**
- 8.2.1 **Respiratory Protection:** Avoid inhalation. This is a laboratory-use product for which no industrial protective equipment has been designated.
- 8.2.2 **Eye Protection:** Safety goggles.
- 8.2.3 **Skin Protection:** Lab coat, chemical-resistant gloves.
- 8.3 **General Hygiene Considerations:** Wash thoroughly after handling.
- 8.4 **Exposure Limits:**
- 8.4.1 **ACGIH TLV-TWA:** Not Available.

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8.4.2 OSHA PEL-TWA: Not Available.

9 Physical/Chemical Properties

9.1 Appearance:	Opaque, red liquid.
9.2 Odor:	None.
9.3 Physical State:	Liquid
9.4 pH:	Approximately 7.2.
9.5 Boiling Point:	Approximately 100°C.
9.6 Melting Point:	Not Available.
9.7 Freezing Point:	Approximately 0°C.
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 Available.
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):	Avoid strong oxidizing agents.
10.4 Hazardous Decomposition/By-Products:	Nature of decomposition products not known.
10.5 Hazardous Polymerization:	Will not occur.

11 Toxicological Information

11.1 Effects of Short-Term Exposure:	Not available.
11.2 Effects of Long-Term Exposure:	Not available.
11.3 Irritancy of Product:	Not available.
11.4 Sensitization to Product:	Not Available.
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):	Not available.

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11.11 LC50 (specify species): Not Available.

12 Ecological Information

12.1 Not Available.

13 Disposal Considerations

13.1 **Waste Disposal Method:** Contact a licensed professional waste disposal service to dispose of this material. 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:** Not Available

14.2.2 **Hazard Class:** This substance is 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:** D3

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

16 Other Information

16.1 **Preparation Information:** Refer to PIS No. 05630

16.2 **This MSDS has been revised in the following section(s):** Not Applicable

16.3 **Original Issue Date:** March 25, 2010

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 Issue Date shown in Section 1.6 of this document and may be subject to amendment by StemCell Technologies Inc.

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