

Material Safety Data Sheet

EPO ELISA Stop Solution

Cat. No: 01605

1 Product and Company Identification:

- 1.1 **Product Name:** EPO ELISA Stop Solution
- 1.2 **Catalogue Number:** 01605
- 1.3 **Synonyms:** N/A
- 1.4 **Product Use:** Reagent in EPO-ELISA Kit (Cat. No. 01630)
- 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:** January 18, 2010
- 1.8 **Prepared By:** Quality Control

2 Composition / Information on Ingredients

2.1 Component	CAS No.	%W/W
0.5N Sulfuric Acid	7664-93-9	2.5%

3 Hazards Identification:

- 3.1 **Emergency Overview:** May cause severe eye, skin, and respiratory irritation or burns. May be harmful if swallowed. Potential carcinogen.
- 3.2 **Routes of Exposure:** Absorbed through skin. Eye contact. Inhalation. Ingestion.
- 3.3 **Potential Health Effects:**
- 3.3.1 **Eye:** Contact with eyes may cause severe irritation or burns.
- 3.3.2 **Skin:** Contact with skin may cause severe irritation or burns.
- 3.3.3 **Inhalation:** Vapors may be irritating to eyes, nose, and throat.
- 3.3.4 **Ingestion:** Poison may be fatal if swallowed, causes burns.
- 3.4 **Chronic Effects/Carcinogenicity:** Contains sulfuric acid, a potential carcinogen.
- 3.5 **OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.

4 First Aid Measures:

- 4.1 **Eyes:** Flush with copious amounts of water for at least 15 minutes. To assure adequate flushing, separate eyelids. Call a physician.
- 4.2 **Skin:** Flush with copious amounts of water for at least 15 minutes. Call a physician.
- 4.3 **Ingestion:** If swallowed **do not** induce vomiting; if conscious, give water, milk, or milk of magnesia.
- 4.4 **Inhalation:** Remove person to fresh air. Call a physician.
- 4.5 **Note to Physician:** Not Applicable

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5 Fire Fighting Measures:

- | | |
|---|--|
| 5.1 Flash Point/Method: | Not Applicable |
| 5.2 Explosive Limits: | |
| 5.2.1 Upper: | Not Applicable |
| 5.2.2 Lower: | Not Applicable |
| 5.3 Autoignition Temperature: | Not Applicable |
| 5.4 Hazardous Combustion Products: | Not Applicable |
| 5.5 Conditions of Flammability: | Not Applicable |
| 5.6 Extinguishing Media: | Water fog, carbon dioxide, foam, dry chemical. |
| 5.7 Fire Fighting Procedures: | Not Applicable |
| 5.8 Explosion Data: | |
| 5.8.1 Sensitivity to Mechanical Impact: | Not Applicable |
| 5.8.2 Sensitivity to Static Discharge: | Not Applicable |

6 Accidental Release Measures:

- 6.1 **Leak and Spill Procedure:** Neutralize spill with soda ash or lime. Carefully place material into a spill control container and remove from the area. Flush spill area with water.

7 Handling and Storage:

- 7.1 **Handling:** Do not get in eyes, on skin, or clothing. Do not breath vapor. Wash thoroughly after handling.
- 7.2 **Storage:** Store at 2-8°C. Keep in tightly closed container. Store separately and away from flammables and combustible materials.

8 Exposure Controls/Personal Protection:

- | | |
|-------------------------------------|--|
| 8.1 Engineering Controls: | Use with adequate ventilation. |
| 8.2 Personal Protective Equipment: | |
| 8.2.1 Respiratory Protection: | This is a laboratory-use product for which no industrial protective equipment has been designated. |
| 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: | 1 mg/m ³ |
| 8.4.2 OSHA PEL-TWA: | 1 mg/m ³ |

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9 Physical/Chemical Properties:

9.1 Appearance:	Clear, colorless.
9.2 Odor:	Odorless
9.3 Physical State:	Liquid
9.4 pH:	Not Applicable
9.5 Boiling Point:	Not Applicable
9.6 Melting Point:	Not Applicable
9.7 Freezing Point:	Not Applicable
9.8 Vapor Pressure:	Not Applicable
9.9 Vapor Density:	Not Applicable
9.10 Specific Gravity:	Not Applicable
9.11 Evaporation Rate:	Not Applicable
9.12 Solubility in Water:	Not Applicable
9.13 Odor Threshold:	Not Applicable
9.14 Coefficient of Water/Oil Distribution:	Not Applicable

10 Stability/Reactivity:

10.1 Chemical Stability:	Stable.
10.2 Conditions to Avoid:	Not Applicable
10.3 Incompatibility (Material to Avoid):	Water and strong bases.
10.4 Hazardous Decomposition/By-Products:	Oxides of sulfur. Toxic fumes.
10.5 Hazardous Polymerization:	Not Applicable

11 Toxicological Information

11.1 Effects of Short-Term Exposure:	Not Applicable
11.2 Effects of Long-Term Exposure:	Not Applicable
11.3 Irritancy of Product:	Severe Irritant.
11.4 Sensitization to Product:	Not Applicable
11.5 Carcinogenicity:	Not Applicable
11.6 Reproductive Toxicity:	Not Applicable
11.7 Teratogenicity and Embryotoxicity:	Not Applicable
11.8 Mutagenicity:	Not Applicable
11.9 Name of Toxicologically Synergistic Products:	Not Applicable

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11.10 LD50 (specify species and route): Not Applicable

11.11 LC50 (specify species): Not Applicable

12 Ecological Information

12.1 None

13 Disposal Considerations

13.1 Waste Disposal Method: 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 restricted

14.2 U.S. Department of Transportation:

14.2.1 Proper Shipping Name: Sulfuric Acid Solution

14.2.2 Hazard Class: 8

14.2.3 ID. Number: UN2796

14.2.4 Packing Group: II

14.2.5 Label Statement: Not Applicable

15 Regulatory Information

15.1 WHMIS Classification: D1B

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. 01630

16.2 This MSDS has been revised in the following section(s): 1.5, 1.8, 15.1

16.3 Original Issue Date: October 15, 2003

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 ammendment by StemCell Technologies Inc.

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