

# Material Safety Data Sheet

Anti-Human CD24 Biotin (Clone 32D12)

Cat. No: 10231

## 1 Product and Company Identification

- 1.1 Product Name:** Anti-Human CD24 Biotin (Clone 32D12)
- 1.2 Catalogue Number:** 10231
- 1.3 Synonyms:** None
- 1.4 Product Use:** Cell Staining / Cell Separation
- 1.5 Manufacturer/Supplier:** StemCell Technologies Inc.  
Suite 400, 570 West 7<sup>th</sup> Avenue  
Vancouver, BC V5Z 1B3  
Canada
- 1.6 In Case of Emergency Call:** 604-877-0713
- 1.7 Date Effective:** January 19, 2010
- 1.8 Prepared By:** Quality Control

## 2 Composition / Information on Ingredients

| 2.1 Component         | CAS No.       | %W/W          |
|-----------------------|---------------|---------------|
| Monoclonal Antibodies | Not Available | Not Available |
| Sodium Azide          | 26628-22-8    | ≤ 0.1         |

## 3 Hazards Identification

- 3.1 Emergency Overview:** Caution, sodium azide is a hazardous and poisonous substance. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. 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.
- 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. 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, induce vomiting. Call a physician.
- 4.4 Inhalation:** If inhaled, remove person to fresh air. If breathing becomes difficult, call a physician.

# Material Safety Data Sheet

Anti-Human CD24 Biotin (Clone 32D12)

Cat. No: 10231

**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 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:** Nature of combustion products not known.

**5.5 Conditions of Flammability:** Not Applicable

**5.6 Extinguishing Media:** Water spray. Carbon dioxide, dry chemical powder or appropriate foam.

**5.7 Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**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:** Wear chemical-resistant gloves. Absorb spill 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 inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. May cause allergic reaction in sensitized individuals. May be disposed of down drain but flush drain with large amounts of water.

**7.2 Storage:** Store at 2-8°C.

## 8 Exposure Controls/Personal Protection

**8.1 Engineering Controls:** Safety shower and eye bath. Mechanical exhaust required.

**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:** Not Available

# Material Safety Data Sheet

Anti-Human CD24 Biotin (Clone 32D12)

Cat. No: 10231

8.4.2 OSHA PEL-TWA: Not Available

## 9 Physical/Chemical Properties:

|   |                     |
|---|---------------------|
| 9.1 Appearance:                             | Clear fluid         |
| 9.2 Odor:                                   | None                |
| 9.3 Physical State:                         | Liquid              |
| 9.4 pH:                                     | Not Available       |
| 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 Applicable      |
| 9.14 Coefficient of Water/Oil Distribution: | Not Available       |

## 10 Stability/Reactivity:

|   |  |
|---|--|
| 10.1 Chemical Stability:                  | Stable   |
| 10.2 Conditions to Avoid:                 | Not Applicable   |
| 10.3 Incompatibility (Material to Avoid): | Strong oxidizing agents, acid chlorides, halogenated solvents, and metals. |
| 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 |
| 11.11 LC50 (specify species):                      | Not Available |

## 12 Ecological Information

12.1 Not Available

# Material Safety Data Sheet

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Cat. No: 10231

## 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 Available

### 14.2 U.S. Department of Transportation:

**14.2.1 Proper Shipping Name:** Not Available

**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:** D1A, D2B

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

## 16 Other Information

**16.1 Preparation Information:** Refer to PIS No. 10231.

**16.2 This MSDS has been revised in the following section(s):** 1.1, 1.5, 1.8, 2.1, 3.1, 4.1, 4.5, 10.3, 11.1, 11.2, 13.1, 15.1

**16.3 Original Issue Date:** July 11, 2005.

**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.