Material Safety Data Sheet - 1P-653-C100

1. Product and Company Identification
   
   **Product Name:** Anti-TCR alpha/beta Antibody (PE)  
   **Product Number:** 1P-653-C100  
   **Supplier Identification:** Abcore  
   405 Maple Street A106  
   Ramona, CA 92065  
   Tel: 888-359-1364

2. Composition and Information on Hazardous Ingredients
   
   Antibodies are from animal source as specified on product PDF datasheet. To properly use Abcore MSDS, please refer to product PDF datasheet to determine the exact attribute descriptions (i.e. exact concentrations of preservatives), and then refer to the appropriate safety regulation written below.

   **Component:** Antibody Preservative  
   **Chemical Name:** Sodium Azide  
   % Conc.: 0.09%  
   CAS#: 26628-22-8  
   EC#: 247-852-1  
   **Classification (pure ingredient):** T+: R28,R38; N: R50/53

   **Component:** Antibody Preservative  
   **Chemical Name:** Gentamicin Sulphate  
   % Conc.: 0.01%  
   CAS#: 1405-41-0  
   EC#: 215-778-9  
   **Classification (pure ingredient):** R42/43,S45; 36/37/39; 22

3. Hazards Identification and Description
   
   This product contains no hazardous constituents, or the concentrations of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29CFR 1910.1200 and the European Directive 91/155/EEC.

   **Classification System:** The classification was made according to the latest editions of the international substances list, and expanded upon from company and literature data.

   **Emergency Overview:**  
   OSHA Hazards: No known OSHA hazards  
   GHS Classification: Acute aquatic toxicity (Category 3)

   **GHS Label Elements Including Precautionary Statements:**  
   Picogram: none  
   Signal Word: none  
   Hazard Statement(s): H402 Harmful to aquatic life  
   Precautionary Statement(s): none

   **HMIS Classification:**  
   Health Hazard: 0
Flammability: 0  
Physical Hazards: 0  

**NFPA Rating:**  
- Health Hazard: 0  
- Fire: 0  
- Reactivity Hazards: 0  

**Potential Health Effects:**  
- Inhalation: May be harmful in inhaled. May cause respiratory tract irritation.  
- Skin: May be harmful if absorbed through skin. May cause skin irritation.  
- Eyes: May cause eye irritation.  
- Ingestion: May be harmful if swallowed.  

4. **First Aid Measures**  
- **Inhalation:** If inhaled, remove to fresh air. Seek medical attention if needed.  
- **Skin Contact:** Wash off with soap and plenty of water. Remove all contaminated personal protective equipment. Seek medical attention if needed.  
- **Eyes:** Flush eyes with water as a precaution. Seek medical attention if needed.  
- **Ingestion:** Rinse mouth with water. Do NOT induce vomiting. Seek medical attention if needed.  

5. **Firefighting Measures**  
- **Conditions of flammability:** Not flammable or combustible.  
- **Suitable extinguishing media:** Use carbon dioxide, extinguishing powder, water spray, or alcohol-resistant foam.  
- **Special protective equipment for firefighters:** No special measures required.  

6. **Accidental Release Measures**  
- **Personal precautions:** Not required.  
- **Environmental precautions:** Do not let product enter drains. Discharge into the environment must be avoided.  
- **Methods and materials for containment and cleaning up:** Keep in suitable, closed containers for disposal.  

7. **Handling and Storage**  
- **Information for safe handling:** No special measures required.  
- **Information about protection from explosions and fires:** No special measures required.  
- **Recommended storage temperature:** Store antibody in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.  
- **Conditions for safe storage:** Store away from oxidizing agents.  

8. **Exposure Controls and Personal Protection**  
- **This product does not contain any substances with occupational hazard exposure limit values.**  
- **Personal protective equipment:** General protective and hygienic measures: The usual precautions for handling chemicals should be followed.  
- **Respiratory protection:** Respiratory protection not required. In case of brief exposure, use a chemical fume hood or a type OV/AG (US) or type AHEK (EU EN 14387) respirator cartridges.  

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*All products are for research purposes only, not for diagnostic or therapeutic use.*

9. Disclaimer

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