

1 Identification of substance:

· **Product details:**

· **Trade name:** PE Labeled Anti-Human CD62E (E-Selectin)

· **Article number:** 33365X, 551145

· **Manufacturer/Supplier:**

BD PharMingen
10975 Torreyana Road
San Diego, CA 92121-1106
Tel. (858)812-8800

· **Information department:** Technical Services

· **Emergency information:**

In case of a chemical emergency, spill, fire, exposure, or accident call BD PharMingen at (858)812-8800 or (800)638-8663, or ChemTrec at (800)424-9300

2 Composition/Data on components:

· **Chemical characterization:**

· **CAS No. Description:**

Not applicable

· **Chemical characterization**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

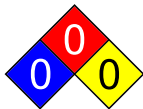
· **Dangerous components:** Void

3 Hazards identification

· **Hazard description:**

This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC.

· **NFPA ratings (scale 0-4)**



Health = 0

Fire = 0

Reactivity = 0

4 First aid measures

· **General information** No special measures required.

· **After inhalation** Supply fresh air; consult doctor in case of complaints.

· **After skin contact** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing** If symptoms persist consult doctor.

Trade name: PE Labeled Anti-Human CD62E (E-Selectin)

(Contd. of page 1)

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** 4 C
- **Information about storage in one common storage facility:**
Do not store together with oxidizing and acidic materials as well as heavy-metal compounds.
- **Further information about storage conditions:** None.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:**
In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air. If the product contains infectious microorganisms use a Biological Safety Cabinet.
- **Protection of hands:**



Protective gloves.

- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing (lab coat).

Trade name: PE Labeled Anti-Human CD62E (E-Selectin)

(Contd. of page 2)

9 Physical and chemical properties:

- | | |
|-----------------|----------|
| · Form: | Liquid |
| · Color: | Pink |
| · Odor: | Odorless |

· **Change in condition**

- Melting point/Melting range:** Not determined
Boiling point/Boiling range: Not determined

- | | |
|-----------------------|----------------|
| · Flash point: | Not applicable |
|-----------------------|----------------|

- | | |
|-------------------------------|--|
| · Danger of explosion: | Forms very sensitive explosive metallic compounds. |
|-------------------------------|--|

- | | |
|--------------------------|----------------|
| · Vapor pressure: | Not applicable |
|--------------------------|----------------|

- | | |
|-------------------|----------------|
| · Density: | Not determined |
|-------------------|----------------|

- | | |
|--|---------|
| · Solubility in / Miscibility with Water: | Soluble |
|--|---------|

- | | |
|--------------------|-----|
| · pH-value: | 7.2 |
|--------------------|-----|

10 Stability and reactivity· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Materials to be avoided:**

Incompatible materials: acidic material and metals

Incompatible material: strong oxidizers.

· **Dangerous reactions** No dangerous reactions known· **Dangerous products of decomposition:** No dangerous decomposition products known· **Additional information:**

Sodium azide is present in this product. Contact with acidic solutions and metal compounds over time may form potentially explosive metal azides. Should any of this material be introduced into a sanitary sewer system, flush with copious amounts of water.

11 Toxicological information· **Acute toxicity:**· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information:· **Ecotoxicological effects:**· **Other information:**

The ecological effects have not been thoroughly investigated, but currently none have been identified.

(Contd. on page 4)



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Trade name: PE Labeled Anti-Human CD62E (E-Selectin)

(Contd. of page 3)

· **General notes:** Not known to be hazardous to water.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must adhere to state and federal regulations.
Smaller quantities can be disposed of with solid waste.
Disposal must be made according to the regulations found in 40 CFR 261.
This product is not considered a RCRA hazardous waste. Follow local and state regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulations

- **Product related hazard informations:**
Observe the general safety regulations when handling chemicals
The product is not subject to identification regulations pertaining to regulations on hazardous materials.
- **National regulations**
- **Additional classification according to Decree on Hazardous Materials:**
CERCLA: This product does not contain chemicals having a Reportable Quantity (RQ).
SARA 311/312: May be subject to reporting.
313: Not subject to reporting.
TSCA: This product is exempt under TSCA.

USA

(Contd. on page 5)



Material Safety Data Sheet
acc. to ISO/DIS 11014

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(Contd. of page 4)

16 Other information:

To the best of our knowledge, the information contained herein is accurate. However, neither Becton, Dickinson and Company or any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

- **Department issuing MSDS:** Safety & Environment Department
- **Contact:** Technical Service Representative

USA