SAFETY DATA SHEET

60039PE 60039PE.1 - Anti-Human CD105 Antibody, Clone 43A3, PE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Anti-Human CD105 Antibody, Clone 43A3, PE

Other means of identification

Catalog Number 60039PE 60039PE.1
Document Number DX22051
Synonyms None

Recommended use of the chemical and restrictions on use.

Recommended Use Laboratory reagent

Details of the supplier of the safety data sheet

Manufacturer/Supplier
STEMCELL Technologies Canada Inc.
Suite 500 - 1618 Station Street
Vancouver, British Columbia V6A 1B6 Canada

Emergency telephone number

Emergency Telephone 1-800-667-0322

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards not otherwise classified (HNOC)
Not applicable

Label elements
Hazard statements
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance Clear
Physical state Liquid
Odor No information available

Other Information
Not applicable

Unknown acute toxicity
0 % of the mixture consists of ingredient(s) of unknown toxicity
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance
Not applicable.

Mixture
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Inhalation Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
SAFETY DATA SHEET

60039PE 60039PE.1 - Anti-Human CD105 Antibody, Clone 43A3, PE

Skin contact  
Wash skin with soap and water.

Ingestion  
Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed**

**Symptoms**  
No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians**  
Treat symptomatically.

5. **FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**  
CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**  
No information available.

**Explosion data**

- Sensitivity to Mechanical Impact: None.
- Sensitivity to Static Discharge: None.

**Special protective equipment for fire-fighters**  
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. **ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**  
Ensure adequate ventilation.

**Environmental precautions**

**Environmental precautions**  
See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**
SAFETY DATA SHEET

60039PE 60039PE.1 - Anti-Human CD105 Antibody, Clone 43A3, PE

Methods for containment
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up
Pick up and transfer to properly labeled containers.

Prevention of secondary hazards
Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling
Advice on safe handling
Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities
Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Control parameters
Exposure Limits
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls
Engineering controls
Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment
Eye/face protection
No special protective equipment required.

Skin and body protection
No special protective equipment required.

Respiratory protection
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
SAFETY DATA SHEET

60039PE 60039PE.1 - Anti-Human CD105 Antibody, Clone 43A3, PE

Revision Date 13-Sep-2017
Revision Number 1

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No data available</td>
<td>None known</td>
</tr>
</tbody>
</table>

  - Upper flammability limit: No data available
  - Lower flammability limit: No data available

Vapor pressure                | No data available      | None known       |
Vapor density                 | No data available      | None known       |
Relative density              | No data available      | None known       |
Water solubility              | No data available      | None known       |
Solubility in other solvents  | No data available      | None known       |
Partition coefficient          | No data available      | None known       |
Autoignition temperature       | No data available      | None known       |
Decomposition temperature      | No data available      | None known       |
Kinematic viscosity            | No data available      | None known       |
Dynamic viscosity              | No data available      | None known       |
Explosive properties          | No data available      | None known       |
Oxidizing properties         | No data available      | None known       |

Other Information

- Softening point: No information available
- Molecular weight: No information available
- Molecular formula: No information available
- VOC Content (%): No information available
- Liquid Density: No information available
- Bulk density: No information available

10. STABILITY AND REACTIVITY

Reactivity
No information available.
SAFETY DATA SHEET

60039PE 60039PE.1 - Anti-Human CD105 Antibody, Clone 43A3, PE

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**Chemical stability**
Stable under normal conditions.

**Possibility of hazardous reactions**
None under normal processing.

**Conditions to avoid**
None known based on information supplied.

**Incompatible materials**
None known based on information supplied.

**Hazardous decomposition products**
None known based on information supplied.

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11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

- **Inhalation**
  Specific test data for the substance or mixture is not available.

- **Eye contact**
  Specific test data for the substance or mixture is not available.

- **Skin contact**
  Specific test data for the substance or mixture is not available.

- **Ingestion**
  Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms**
No information available.

**Numerical measures of toxicity**

**Acute toxicity**

- **Unknown acute toxicity**
  0 % of the mixture consists of ingredient(s) of unknown toxicity
  0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
  0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
  0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
  0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
  0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- **Skin corrosion/irritation**
  No information available.

- **Serious eye damage/eye irritation**
  No information available.
SAFETY DATA SHEET

60039PE 60039PE.1 - Anti-Human CD105 Antibody, Clone 43A3, PE

Respiratory or skin sensitization: No information available.
Germ cell mutagenicity: No information available.
Carcinogenicity: No information available.
Reproductive toxicity: No information available.
STOT - single exposure: No information available.
STOT - repeated exposure: No information available.
Aspiration hazard: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: 
Persistence and degradability: No information available.
Bioaccumulation: There is no data for this product.
Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:
Waste from residues/unused products: Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging: Do not reuse empty containers.
US EPA Waste Number: P105

14. TRANSPORT INFORMATION
SAFETY DATA SHEET

60039PE 60039PE.1 - Anti-Human CD105 Antibody, Clone 43A3, PE

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO (air) Not regulated

IATA Not regulated

IMDG Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Complies</td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Complies</td>
</tr>
<tr>
<td>ENCS</td>
<td>Does not comply</td>
</tr>
<tr>
<td>IECSC</td>
<td>Complies</td>
</tr>
<tr>
<td>KECL</td>
<td>Complies</td>
</tr>
<tr>
<td>PICCS</td>
<td>Complies</td>
</tr>
<tr>
<td>AICS</td>
<td>Complies</td>
</tr>
</tbody>
</table>

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
SAFETY DATA SHEET

60039PE 60039PE.1 - Anti-Human CD105 Antibody, Clone 43A3, PE

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<table>
<thead>
<tr>
<th>Acute health hazard</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

**US State Regulations**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water 7732-18-5</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Sodium Phosphate Dibasic 7558-79-4</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Sodium Azide 26628-22-8</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

**U.S. EPA Label Information**

EPA Pesticide Registration Number  Not applicable

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16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

**Prepared By,**

Quality Control. STEMCELL Technologies Canada Inc.

**Revision Date**

13-Sep-2017
SAFETY DATA SHEET

60039PE 60039PE.1 - Anti-Human CD105 Antibody, Clone 43A3, PE

Revision Note
No information available.

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. STEMCELL Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

End of Safety Data Sheet