19119C 19159C - EasySep™ Human Memory CD8+ T Cell Enrichment Cocktail

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

Product identifier

Product Name EasySep™ Human Memory CD8+ T Cell Enrichment Cocktail

Other means of identification

Catalog Number 19119C 19159C
Document Number DX22838
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
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.
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:
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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/PERSONAL 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.
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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

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<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
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<td>Appearance</td>
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<tr>
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</table>

10. STABILITY AND REACTIVITY

Reactivity

No information available.
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Revision Number 1

1. CHEMICAL IDENTIFICATION

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2. HAZARDS IDENTIFICATION

1.1. Chemical stability
Stable under normal conditions.

1.2. Possibility of hazardous reactions
None under normal processing.

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

1.4. Incompatible materials
None known based on information supplied.

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

3. SAFETY PRECAUTIONS FOR USE

3.1. Personal protective equipment

3.2. Spill response

3.3. Waste disposal

4. FIRST AID MEASURES

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

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

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

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

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

5.2. Special hazards

6. ACCIDENTAL RELEASE MEASURES

6.1. Spill cleanup

6.2. Personal precautions

7. HANDLING AND STORAGE

7.1. Storage conditions

7.2. Precautions for storage

8. EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

8.1. Control parameters

8.2. Exposure control measures

8.3. Protective equipment

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Physical state

9.2. Odour

9.3. Detection limits

9.4. Melting point

9.5. Boiling point

9.6. Density

9.7. Relative volatility

9.8. Flash point

9.9. Vapor pressure

9.10. Solubility

9.11. pH

10. STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Stability

11. TOXICOLOGICAL INFORMATION

11.1. Information on likely routes of exposure

11.2. Product Information

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

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

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

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

11.3. Symptoms related to the physical, chemical and toxicological characteristics

11.3.1. Symptoms
No information available.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity

12.2. Biological effects

12.3. Persistence and degradability

12.4. Mobility in soil

12.5. Mobility in water

13. DISPOSAL CONSIDERATIONS

13.1. Disposal methods

13.2. Transportation

13.3. Disposal of packaging

14. TRANSPORT INFORMATION

14.1. UN number

14.2. Transport risk phrases

15. REGULATORY INFORMATION

15.1. Laboratory disposal

15.2. Regulatory classification

15.3. Packaging information

15.4. Labeling requirements

15.5. Globally harmonized system (GHS)

15.6. European classification and labelling

16. ADDITIONAL INFORMATION

16.1. Further information

16.2. Other information

16.3. References

17. CERTIFICATE OF COMPLIANCE

17.1. Compliance

17.2. Declaration

18. COMPANY INFORMATION

18.1. Manufacturer's name

18.2. Address

18.3. Telephone number

18.4. Emergency telephone number

18.5. Fax number

19. ADDITIONAL INFORMATION

19.1. Additional information

19.2. Ancillary information

20. DECLARATION

20.1. Declaration of compliance

20.2. Declaration of conformity

21. DISTRIBUTOR INFORMATION

21.1. Distributor's name

21.2. Address

21.3. Telephone number

21.4. Fax number

22. COPYRIGHT

22.1. Copyright holder

22.2. Copyright date

22.3. Copyright notice

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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.

14. TRANSPORT INFORMATION

DOT: Not regulated.
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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

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<tr>
<th>Code</th>
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<tr>
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<tr>
<td>DSL/NDSL</td>
<td>Complies</td>
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<td>EINECS/ELINCS</td>
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<td>IECSC</td>
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<tr>
<td>PICCS</td>
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<tr>
<td>AICS</td>
<td>Complies</td>
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</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

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

**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**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
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<tr>
<td>Water 7732-18-5</td>
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<td>-</td>
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<tr>
<td>Sodium Phosphate Dibasic 7558-79-4</td>
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</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 10-Aug-2018
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