SAFETY DATA SHEET

05111 - STEMdiff™ Endoderm Basal Medium

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

Product identifier

Product Name

STEMdiff™ Endoderm Basal Medium

Other means of identification

Catalog Number

05111

Document Number

DX20876

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)
SAFETY DATA SHEET

05111 - STEMdifff™ Endoderm Basal Medium

Revision Date 05-Dec-2022
Revision Number 4

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

Appearance Clear
Physical state Liquid
Odor No data available

Other Information
Not applicable

Unknown acute toxicity
2.29E-06 % of the mixture consists of ingredient(s) of unknown toxicity
2.29E-06 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
2.29E-06 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
2.29E-06 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
2.29E-06 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
2.29E-06 % 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.

Skin contact
Wash skin with soap and water.

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

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 Store in accordance with information listed on the Product Information Sheet (PIS).

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.

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
Physical state Liquid
SAFETY DATA SHEET

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Appearance
Color
Odor
Odor threshold

Clear
red
No data available
No data available

Property
Values
Remarks • Method

pH
No data available

Melting point / freezing point
No data available

Boiling point / boiling range
No data available

Flash point
No data available

Evaporation rate
No data available

Flammability (solid, gas)
No data available

Flammability Limit in Air
Upper flammability limit:
No data available

Lower flammability limit:
No data available

Vapor pressure
No data available

Vapor density
No data available

Relative density
No data available

Water solubility
No data available

Solubility in other solvents
No data available

Partition coefficient
No data available

Autoignition temperature
No data available

Decomposition temperature
No data available

Kinematic viscosity
No data available

Dynamic viscosity
No data available

Explosive properties
No data available

Oxidizing properties
No information available

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.

Chemical stability
Stable under recommended transport or storage 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.
11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Product Information</th>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Inhalation</strong></td>
<td>Specific test data for the substance or mixture is not available.</td>
</tr>
<tr>
<td><strong>Eye contact</strong></td>
<td>Specific test data for the substance or mixture is not available.</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td>Specific test data for the substance or mixture is not available.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
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</table>

Symptoms related to the physical, chemical and toxicological characteristics

<table>
<thead>
<tr>
<th>Symptoms</th>
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<tbody>
<tr>
<td><strong>No information available.</strong></td>
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</table>

Numerical measures of toxicity

<table>
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<tr>
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<th></th>
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</table>

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

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<thead>
<tr>
<th>Skin corrosion/irritation</th>
<th>No information available.</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Serious eye damage/eye irritation</th>
<th>No information available.</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Respiratory or skin sensitization</th>
<th>No information available.</th>
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<table>
<thead>
<tr>
<th>Germ cell mutagenicity</th>
<th>No information available.</th>
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Product Information

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
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>TSCA</th>
<th>Does not comply</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSL/NDSL</td>
<td>Does not comply</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Does not comply</td>
</tr>
<tr>
<td>ENCS</td>
<td>Does not comply</td>
</tr>
<tr>
<td>IECSC</td>
<td>Does not comply</td>
</tr>
<tr>
<td>KECL</td>
<td>Does not comply</td>
</tr>
<tr>
<td>PICCS</td>
<td>Does not comply</td>
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<tr>
<td>AICS</td>
<td>Does not comply</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>Acute health hazard</th>
<th>No</th>
</tr>
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<tbody>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
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</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 contains the following Proposition 65 chemicals.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade secret -</td>
<td>Carcinogen</td>
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<tr>
<td></td>
<td>Developmental</td>
</tr>
</tbody>
</table>

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>
</tbody>
</table>

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

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

Prepared By, Quality Control. STEMCELL Technologies Canada Inc.
Revision Date 05-Dec-2022
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