SAFETY DATA SHEET

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

1.1. Product identifier

Product Code(s)  CMM-100-110-001, CMM-100-110-005, CMM-100-120-001, CMM-100-120-005, M1001, M1003

Product Name  iCell® Cardiomyocytes Maintenance Medium, iCell® Cardiomyocytes Plating Medium

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use  For research use only.

Uses advised against  No information available.

1.3. Details of the supplier of the safety data sheet

Supplier  FUJIFILM Europe B.V.

Oudenstaart 1

5047 TK Tilburg

The Netherlands

Manufactured by  FUJIFILM Cellular Dynamics, Inc.

525 Science Drive

Madison, WI 53711

For further information, please contact:

Company Phone Number  U.S.A: 877-320-6688

U.S.A: 608-310-5100

E-mail Address  fcdi-support@fujifilm.com

1.4. Emergency telephone number

<table>
<thead>
<tr>
<th></th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td>+49 (0)211 5089 137 (9:00 a.m. to 6 p.m.)</td>
</tr>
<tr>
<td>France</td>
<td>CHEMTREC France: +(33)-975181407</td>
</tr>
<tr>
<td>Germany</td>
<td>CHEMTREC Germany: 0800-181-7059</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>CHEMTREC UK: +(44)-870-8200418</td>
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</table>
2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2. Label elements
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.3. Other hazards
No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
No dangerous ingredients according to Regulation (EC) No. 1907/2006

Full text of H- and EUH-phrases: see section 16

4. FIRST AID MEASURES

4.1. Description of first aid measures
General advice If symptoms persist, call a physician.
Eye contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation persists.
Skin contact Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.
Ingestion If swallowed, do not induce vomiting - seek medical advice.
Inhalation Move to fresh air. If symptoms persist, call a physician.

4.2. Most important symptoms and effects, both acute and delayed
No information available.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media
Suitable Extinguishing Media Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

Unsuitable Extinguishing Media No information available.

5.2. Special hazards arising from the substance or mixture
None known.
Hazardous Combustion Products
Carbon oxides. Sodium oxides.

5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid contact with skin, eyes or clothing.

6.2. Environmental precautions
Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up
Prevent further leakage or spillage if safe to do so.
Use personal protective equipment. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

6.4. Reference to other sections
See section 7 for more information.
See section 8 for more information.
See Section 12 for additional Ecological Information.
See section 13 for more information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Wear personal protective equipment. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities
Keep in properly labeled containers. Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)
For research use only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limit value This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.
Personal protective equipment

Eye Protection: Tight sealing safety goggles.
Hand Protection: Wear protective gloves.
Skin and body protection: Long sleeved clothing.
Respiratory protection: Ensure adequate ventilation.

General Hygiene Considerations: When using do not eat, drink or smoke. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area and clothing is recommended.

Environmental Exposure Controls: No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
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<td></td>
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<tr>
<td>pH</td>
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<tr>
<td>Boiling point / boiling range</td>
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<tr>
<td>Autoignition temperature</td>
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<tr>
<td>Melting point / melting range</td>
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<tr>
<td>Flammability (solid, gas)</td>
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<tr>
<td>Oxidizing Properties</td>
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<td>Specific Gravity</td>
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<tr>
<td>Evaporation rate</td>
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<tr>
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<td>Physical State @20°C</td>
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<tr>
<td>Decomposition temperature</td>
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<tr>
<td>Freezing Point</td>
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<tr>
<td>Flammability Limit in Air</td>
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<tr>
<td>Explosive Properties</td>
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<tr>
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<tr>
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<tr>
<td>Partition coefficient: n-octanol/water</td>
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<tr>
<td>Molecular Weight</td>
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10. STABILITY AND REACTIVITY

10.1. Reactivity
Stable under recommended storage conditions.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Hazardous polymerization does not occur.

10.4. Conditions to avoid
Excessive heat. Freezing.

10.5. Incompatible materials
Strong oxidizing agents.

10.6. Hazardous decomposition products
None under normal use conditions.

11. TOXICOLOGICAL INFORMATION
11.1. Information on toxicological effects

Product Information

Acute toxicity
  Inhalation No known effects under normal use conditions.
  Eyes No known effects under normal use conditions.
  Skin No known effects under normal use conditions.
  Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

No information available

Chronic toxicity
  Carcinogenicity None known.

Corrosivity None known.

Sensitization None known.

Reproductive Toxicity None known.

Mutagenic Effects None known.

Target Organ Effects No information available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity
The environmental impact of this product has not been fully investigated.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects
13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

- **Waste from residues/unused products**: Dispose of in accordance with federal, state and local regulations.
- **Contaminated packaging**: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

- **IMDG**: Not regulated
- **RID**: Not regulated
- **ADR/RID**: Not regulated
- **ICAO**: Not regulated
- **IATA**: Not regulated

**Special precautions for users**: No information available.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Take note of Directive 94/33/EC on the protection of young people at work.

**International Inventories**

- **TSCA**: No
- **EINECS/ELINCS**: No
- **DSL/NDSL**: No
- **AICS**: No
- **NZIoC**: Yes

**Legend**

- **TSCA**: United States Toxic Substances Control Act Section 8(b) Inventory
- **EINECS/ELINCS**: European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- **DSL/NDSL**: Canadian Domestic Substances List/Non-Domestic Substances List
- **AICS**: Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available.

16. OTHER INFORMATION

**Prepared By**: FUJIFILM Environment, Health and Safety, phone: (01) (800) 473-3854
CLP Annex VI harmonized classification(s) and/or available REACH registration information are the primary data sources referenced in determining the classification of this product.

This safety data sheet complies with the requirements of: Regulation (EC) No 1272/2008.

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.