Safety Data Sheet

1. Identification of the substance/preparation and of the company/undertaking

- **Product name**: ReproCryo DMSO Free
- **Product code**: RCHEFM005
- **Manufacturer/Supplier**: REPROCELL, Inc.
- **Address**: Metlife Shin-yokohama Bldg. 9F
  3-8-11, Shin-yokohama, Kohoku-ku,
  Yokohama, Kanagawa 222-0033, Japan
- **Telephone**: +81-45-475-3887
- **Fax**: +81-45-474-1006
- **E-mail**: info_en@reprocell.com

**Recommended use**: Cryopreservation medium for human ES/iPS cell

**Restriction on use**: This product is for research use only (RUO); not intended for medical treatment or diagnosis.

2. Hazards identification

- **GHS classification according to Annex II**: Not classified
- **Symbol**: None
- **Signal word**: None
- **Hazard statement**: None
- **Precautionary Statements**: None

3. Composition/information on ingredients

**Product description**: Mixture

4. First aid measures

- **Inhalation**: Consult a physician.
- **Skin contact**: Wash thoroughly with plenty of water and soap. Immediately take off/remove all contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs, get medical advice/attention.
- **Eyes contact**: Rinse cautiously with water for several minutes. Remove contact lenses, if wearing them and if possible. Continue rinsing after removing contact lenses. If eye irritation persists, get medical advice/attention.
- **Ingestion**: Rinse the mouth with water and consult a physician immediately. Show this product or this safety data sheet to the doctor in attendance.

5. Fire-fighting measure

- **Suitable extinguishing media**: Use general extinguishing media (water spray, foam, dry chemical, carbon dioxide, dry sand).
- **Specific hazards arising from the mixture**: Sulphur oxides
- **Special protective actions**: Remove container away from burning area if it is not risky to do so. Do not move container into a place where it receives the heat of the fire.
- **Fire fighting equipment**: Wear self-contained breathing apparatus and protective (heat-resistant) clothing.

6. Accidental release measure

- **Personal precautions, protective equipment and emergency procedure**: Prohibit entrance into the leakage area except for authorized persons. Ensure adequate ventilation before entering the enclosed space. Wear a protective mask, protective gloves, protective clothing and eye protection.
- **Environmental precautions**: Do not release into the environment.
- **Methods and materials for containment and cleaning**: Absorb with non-combustible material (dry sand or earth). Keep in suitable chemical containers for disposal.

7. Handling and storage

- **Precautions for safe handling**: Wear a protective mask, protective gloves, protective clothing and eye protection. Wash hands thoroughly after handling. Do not allow the material to get in the eyes, on skin, or on clothing. Do not swallow.
- **Conditions for safe storage, including any incompatibilities**: Keep the container tightly closed and store it in a locked place. Recommended storage temperature: between -20°C to -80°C

8. Exposure controls/personal protection

- **Control parameters**: No data available
- **Appropriate engineering controls**: Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of work.
Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection: Wear a protective mask and safety glasses.
Skin protection: Wear protective gloves and protective clothing.
Respiratory protection: No equipment needed when used under normal conditions.

9. Physical and chemical properties
a) Appearance
   Form: liquid
b) Odour
   Disagreeable odour
c) Odour threshold
   No data available
d) pH
   Approximately 7.2-7.5
e) Melting point/Freezing point
   No data available
f) Initial boiling point and boiling range
   No data available
g) Flash point
   No data available
h) Evaporation rate
   No data available
i) Flammability (solid, gas)
   No data available
j) Upper/lower flammability or explosive limits
   No data available
k) Vapour pressure
   No data available
l) Vapour density
   No data available
m) Relative density
   No data available
n) Solubility
   No data available
o) Partition coefficient: n-octanol/water
   No data available
p) Auto-ignition temperature
   No data available
q) Decomposition temperature
   No data available
r) Viscosity
   No data available

10. Stability and reactivity
Reactivity
   No data available
Chemical stability
   Stable under the recommended storage and handling conditions.
Possibility of hazardous reactions
   No data available
Conditions to avoid
   No information available
Incompatible materials
   No information available
Hazardous decomposition products
   Sulphur oxides may be produced through thermal decomposition.

11. Toxicological information
Acute toxicity
   No data available
Skin corrosion/irritation
   No data available
Serious eye damage /irritation
   No data available
Respiratory or skin sensitization
   No data available
Germ cell mutagenicity
   No data available
Carcinogenicity
   No data available
Reproductive toxicity
   No data available
Specific target organ toxicity
   - single exposure
   No data available
   - repeated exposure
   No data available
Aspiration hazard
   No data available

12. Ecological information
Toxicity
   No data available
Persistence and Degradability
   Biodegradable
Bioaccumulation potential
   No data available
Mobility in soil
   No data available

13. Dispersal considerations
Disposal method
   Dispose of waste in accordance with applicable national, regional, or local regulations.
Contaminated packaging
   Dispose in the same manner as unused product.
Special precautions
   Avoid disposal of spilt material into soil, waterways, drains, and sewers.
14. Transport information

<table>
<thead>
<tr>
<th>UN number</th>
<th>DOT</th>
<th>IATA/ICAO</th>
<th>IMO/IMDG</th>
<th>ADR/RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td>Transport hazard class</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>-</td>
<td>No</td>
<td>Marine pollutant: No</td>
<td>No</td>
</tr>
</tbody>
</table>

Special precautions for users

- Avoid direct sunlight. Check whether the package is unbroken or sealed before transporting.
- Make sure that there is no damage or corrosion and that packages remain upright during transportation.
- Do not transport this product with food and animal feed.

15. Regulatory information

- This is not a hazardous substance or mixture according to Regulation (EC) No.1272/2008 (EU-GHS/CLP).
- This product is not classified as dangerous according to Directive 67/548/EC and Directive 1999/45/EC.
- All components of this product are listed in the inventory of TSCA.

16. Other information

References

The information in this SDS is based on the present state of our knowledge and available data. It does not represent any guarantee of the properties and hazard information. The precautions in this document are applicable to general handling in the laboratory. The appropriate safety measures should be followed in general use.

End of SDS