

## Safety Data Sheet

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

|                              |   |
|------------------------------|---|
| <b>Product name</b>          | ReproCryo RM™   |
| <b>Product code</b>          | RCHEFM004, RCHEFM004-S  |
| <b>Manufacturer/Supplier</b> | ReproCELL, Inc.   |
| <b>Address</b>               | KDX Shin-yokohama 381 Bldg. 9F<br>3-8-11, Shin-yokohama, Kohoku-ku,<br>Yokohama, Kanagawa 222-0033, Japan |
| <b>Telephone</b>             | +81-45-475-3887   |
| <b>Fax</b>                   | +81-45-474-1006   |
| <b>E-mail</b>                | info_en@reprocell.com   |
| <b>Recommended use</b>       | Cryopreservation medium for human ES/iPS cell   |
| <b>Restriction on use</b>    | This product is for research use only (RUO); not intended for medical treatment or diagnosis.             |

### 2. Hazards identification

|   |                |
|---|----------------|
| <b>GHS classification according to Annex II</b> | Not classified |
| <b>Symbol</b>                                   | None           |
| <b>Signal word</b>                              | None           |
| <b>Hazard statement</b>                         | None           |
| <b>Precautionary Statements</b>                 | None           |

### 3. Composition/information on ingredients

Product description: Mixture

### 4. First aid measures

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

### 5. Fire-fighting measure

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

### 6. Accidental release measure

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

### 7. Handling and storage

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

### 8. Exposure controls/personal protection

|   |   |
|---|---|
| <b>Control parameters</b>               | No data available   |
| <b>Appropriate engineering controls</b> | Avoid contact with skin, eyes and clothing.<br>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  | Color: Transparent    |
| c) Odour threshold                              | Disagreeable odour    |
| d) pH   | No data available     |
| e) Melting point/Freezing point                 | Approximately 7.2-7.5 |
| 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**

|   |   |
|---|---|
| <b>Reactivity</b>                         | No data available   |
| <b>Chemical stability</b>                 | Stable under the recommended storage and handling conditions. |
| <b>Possibility of hazardous reactions</b> | No data available   |
| <b>Conditions to avoid</b>                | No information available                                      |
| <b>Incompatible materials</b>             | No information available                                      |
| <b>Hazardous decomposition products</b>   | Sulphur oxides may be produced through thermal decomposition. |

**11. Toxicological information**

|  |                   |
|--|-------------------|
| <b>Acute toxicity</b>                    | No data available |
| <b>Skin corrosion/irritation</b>         | No data available |
| <b>Serious eye damage /irritation</b>    | No data available |
| <b>Respiratory or skin sensitization</b> | No data available |
| <b>Germ cell mutagenicity</b>            | No data available |
| <b>Carcinogenicity</b>                   | No data available |
| <b>Reproductive toxicity</b>             | No data available |
| <b>Specific target organ toxicity</b>    |                   |
| - single exposure                        | No data available |
| <b>Specific target organ toxicity</b>    |                   |
| - repeated exposure                      | No data available |
| <b>Aspiration hazard</b>                 | No data available |

**12. Ecological information**

|                                      |                   |
|--------------------------------------|-------------------|
| <b>Toxicity</b>                      | No data available |
| <b>Persistence and Degradability</b> | Biodegradable     |
| <b>Bioaccumulation potential</b>     | No data available |
| <b>Mobility in soil</b>              | No data available |

**13. Dispersal considerations**

|                               |  |
|-------------------------------|--|
| <b>Disposal method</b>        | Dispose of waste in accordance with applicable national, regional, or local regulations. |
| <b>Contaminated packaging</b> | Dispose in the same manner as unused product.  |
| <b>Special precautions</b>    | Avoid disposal of spilt material into soil, waterways, drains, and sewers.               |

#### 14. Transport information

|                         | DOT                 | IATA/ICAO           | IMO/IMDG             | ADR/RID             |
|-------------------------|---------------------|---------------------|----------------------|---------------------|
| UN number               | -                   | -                   | -                    | -                   |
| UN proper shipping name | Not dangerous goods | Not dangerous goods | Not dangerous goods  | Not dangerous goods |
| Transport hazard class  | -                   | -                   | -                    | -                   |
| Packing group           | -                   | -                   | -                    | -                   |
| Environmental hazards   | -                   | No                  | Marine pollutant: No | No                  |

#### 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