

## S0001 MesenPlify™ sXF Basal Media

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This SDS documents the detailed information for safe handling and use of products.

### A. Basic Information/ Identification of Material

<b>Category</b>	Specialized Basal Media (for human mesenchymal stem cells)
<b>Product Name</b>	<b>MesenPlify™ sXF Basal Media</b>
<b>Product Type</b>	Liquid
<b>Catalogue Number</b>	S0001

#### Recommended and Restricted Use

The media shall be used for research. Not use for diagnostic nor clinical use.

#### Supplier/ Manufacturer

[Singapore]  
InnoCellular Tech Pte Ltd.

Main Laboratory  
Block 79 Ayer Rajah Crescent  
#05-03, Singapore 139955

### B. Hazards Identification

#### OSHA/HCA

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### Classification of the substance or mixture

Not Classified.

#### Hazards not otherwise classified

Not known

#### GHS Label

<b>Signal word</b>	No Signal Word.
<b>Hazard Statements</b>	No known significant effects or critical hazards.

#### Precautionary Statements

<b>Prevention</b>	Not Applicable.
<b>Response</b>	Not Applicable.

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**Storage** Not Applicable.  
**Disposal** Not Applicable.

### C. Composition and Information on Ingredients

**Substance/mixture** Mixture  
**Other means of identification** Not available  
**CAS Number/Other Identifiers** Not Applicable.      **EC Number** Mixture      **Chemical Formula** Not Applicable.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

### D. First Aid Measures

#### Description of Necessary First Aid Measure

**Eye Contact.** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Skin Contact.** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Inhalation.** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Ingestion.** Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

#### Most Important Symptoms and Effects, both Acute and Delayed

##### Potential Acute Health Effects:

**Eye Contact** No known significant effects or critical hazards.  
**Skin Contact** No known significant effects or critical hazards.  
**Inhalation** No known significant effects or critical hazards.  
**Ingestion** No known significant effects or critical hazards.

##### Over-Exposure Signs/Symptoms:

**Eye Contact** No specific data.  
**Skin Contact** No specific data.  
**Inhalation** No specific data..  
**Ingestion** No specific data.

#### Indication of immediate medical attention and special treatment needed, if necessary

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### Notes to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### Specific Treatment

No specific treatment.

### Protection of First-Aiders

No action shall be taken involving any personal risk or without suitable training.

## E. Fire Fighting Measures

### Extinguishing media

#### Suitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

#### Unsuitable extinguishing media

None known.

#### Specific hazards arising from the chemical

In a fire or if heated, a pressure increase will occur, and the container may burst.

#### Hazardous thermal decomposition products

No specific data.

#### Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

#### Special protective equipment for fire-fighters

Fire-fighters should wear appropriate personal protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## F. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Put on appropriate personal protective equipment.

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### **For emergency responders**

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### **Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### **Methods and materials for containment and cleaning up**

#### **Small spill**

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### **Large spill**

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations(see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## G. Handling and Storage

### **Precautions for safe handling**

#### **Protective measures**

Put on appropriate personal protective equipment.

#### **Advice on general occupational hygiene**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### **Conditions for safe storage, including any incompatibilities**

Store between the following temperatures: 2 to 8°C (35.6 to 46.4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

## H. Exposure Controls and Personal Protection

### **Control parameters**

#### **Occupational exposure limits**

None.

#### **Appropriate engineering controls**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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### **Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **Individual protection measures**

#### **Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Eye/face protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### **Skin protection**

##### **Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

##### **Body protection**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

##### **Other skin protection**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

##### **Respiratory protection**

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## I. Physical and Chemical Properties

### **Appearance**

<b>Physical state</b>	Liquid.
<b>Colour</b>	Red (with phenol red)
<b>Odor</b>	Not Available.
<b>Odor threshold</b>	Not Available.
<b>pH</b>	7 to 7.4
<b>Melting point/freezing point</b>	Not Available.
<b>Boiling point,</b>	Not Available.

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**initial boiling point,  
and boiling range**

<b>Flash point</b>	Not Available.
<b>Burning time</b>	Not Applicable.
<b>Burning rate</b>	Not Applicable.
<b>Evaporation rate</b>	Not Available.
<b>Flammability</b>	Not Available.
<b>Lower and upper explosive (flammable) limits</b>	Not Available.
<b>Vapor pressure</b>	Not Available.
<b>Relative vapor density</b>	Not Available.
<b>Relative density</b>	Not Available.
<b>Solubility(in other solvents)</b>	Not Available.
<b>Solubility in water</b>	Not Available.
<b>Partition coefficient</b>	Not Available.
<b>Auto-ignition temperature</b>	Not Available.
<b>Decomposition temperature</b>	Not Available.
<b>SADT</b>	Not Available.
<b>Viscosity</b>	Not Available.
<b>Flow time (ISO 2431)</b>	Not Available.

### J. Stability and Reactivity

**Reactivity**

No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability Possibility of hazardous reactions**

The product is stable.

**Possibility of hazardous reactions**

None under normal conditions of storage and use.

**Conditions to avoid**

None known based on information supplied.

**Incompatible materials**

None known based on information supplied.

**Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### K. Toxicology Information

**Information on toxicological effects**

<b>Acute toxicity</b>	Not available.
<b>Irritation/Corrosion</b>	Not available.
<b>Sensitization</b>	Not available.

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**Mutagenicity** Not available.  
**Carcinogenicity** Not available.  
**Reproductive toxicity** Not available.  
**Teratogenicity** Not available.

**Specific target organ toxicity (single exposure)**  
Not available.

**Specific target organ toxicity (repeated exposure)**  
Not available.

**Aspiration hazard** Not available.

**Information on the likely routes of exposure**  
Routes of entry anticipated: Oral, Dermal.

### Potential acute health effects

**Eye contact** No known significant effects or critical hazards  
**Skin contact** No known significant effects or critical hazards.  
**Inhalation** No known significant effects or critical hazards  
**Ingestion** No known significant effects or critical hazards

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

**Eye contact** No specific data.  
**Skin contact** No specific data.  
**Inhalation** No specific data.  
**Ingestion** No specific data.

### Delayed and immediate effects and also chronic effects from short- and long-term exposure

#### Short term exposure

**Potential immediate effects** Not available.  
**Potential delayed effects** Not available.

#### Long term exposure

**Potential immediate effects** Not available.  
**Potential delayed effects** Not available.

#### Potential chronic health effects

Not available

**General** No known significant effects or critical hazards.  
**Carcinogenicity** No known significant effects or critical hazards.  
**Mutagenicity** No known significant effects or critical hazards.  
**Teratogenicity** No known significant effects or critical hazards.  
**Developmental Effects** No known significant effects or critical hazards.  
**Fertility Effects** No known significant effects or critical hazards.

#### Numerical measures of toxicity **Acute toxicity estimates**

Not Applicable.

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### L. Ecological Information

<b>Toxicity</b>	Not available.
<b>Persistence/Degradability</b>	Not available.
<b>Bioaccumulative Potential</b>	Not available.
<b>Mobility in Soil</b>	
Soil/Water Partition Coefficient (Koc)	Not available.
<b>Reproductive toxicity</b>	Not available
<b>Other adverse effects</b>	No known significant effects or critical hazards.

### M. Disposable Considerations

#### Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

### N. Transport Information

<b>UN</b>	<b>Not regulated.</b>
<b>IATA</b>	<b>Not regulated.</b>
<b>IMDG</b>	<b>Not regulated.</b>
<b>ADR/RID</b>	<b>Not regulated.</b>
<b>ADN</b>	<b>Not regulated.</b>

#### Special precautions for users

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### O. Regulatory Information

#### Singapore - hazardous chemicals under government control

None.

#### International regulations:

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants



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Not listed

### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International List

National inventory

Europe	Not Determined.
United States	Not Determined.
Canada inventory	Not Determined.
China	Not Determined.
Malaysia	Not Determined.

## P. Other Information

### Prepared By

Laboratory and Manufacturing Management. InnoCellular Tech Pte Ltd.

### Revision Date

July 31 2023

### Revision Note

1.0

### Abbreviations and acronyms

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

OSHA - Occupational Safety and Health Administration of the US Department of Labour

IATA - International Air Transport Association

DOT - Department of Transportation

IMDG - International Maritime Dangerous Goods

UN = United Nations

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

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**End of Safety Data Sheet**