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

<table>
<thead>
<tr>
<th>Product code</th>
<th>Product name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GU MX-90011 Mesenchymal Stem Cell Growth Medium</td>
</tr>
</tbody>
</table>

**Company/Undertaking Identification**

Cyagen Biosciences Inc.
574 East Weddell Dr, Suite 6
Sunnyvale, CA 94089, U.S.A.
Tel: 800-921-8931

For research use only

# 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous/Non-hazardous Components**

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

# 3. HAZARDS IDENTIFICATION

**Emergency Overview**

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

**Form**

Liquid
3. HAZARDS IDENTIFICATION

Principle Routes of Exposure/
Potential Health effects

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>No information available</td>
</tr>
<tr>
<td>Skin</td>
<td>No information available</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No information available</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Specific effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carcinogenic effects</td>
<td>No information available</td>
</tr>
<tr>
<td>Mutagenic effects</td>
<td>No information available</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No information available</td>
</tr>
<tr>
<td>Sensitization</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Target Organ Effects

No information available

HMIS

<table>
<thead>
<tr>
<th>Property</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>0</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Skin contact
Wash off immediately with plenty of water

Eye contact
Rinse thoroughly with plenty of water, also under the eyelids.

Ingestion
Never give anything by mouth to an unconscious person

Inhalation
Move to fresh air

Notes to physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Dry chemical

Special protective equipment for firefighters
Wear self-contained breathing apparatus and protective suit

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment

Methods for cleaning up
Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Handling
No special handling advice required

Storage
Keep in properly labelled containers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits
Engineering measures

Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Respiratory protection
In case of insufficient ventilation wear suitable respiratory equipment

Hand protection
Protective gloves

Eye protection
Safety glasses with side-shields

Skin and body protection
Lightweight protective clothing.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls
Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form
Liquid

Important Health Safety and Environmental Information

Boiling point/range
°C No data available
°F No data available

Melting point/range
°C No data available
°F No data available

Flash point
°C No data available
°F No data available

Autoignition temperature
°C No data available
°F No data available

Oxidizing properties
No information available

Water solubility
No data available

10. STABILITY AND REACTIVITY

Stability
Stable.

Materials to avoid
No information available

Hazardous decomposition products
No information available

Polymerization
Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Principle Routes of Exposure /

Potential Health effects

Eye
No information available

Skin
No information available

Inhalation
No information available

Ingestion
May be harmful if swallowed.

Specific effects

Carcinogenic effects
No information available

Mutagenic effects
No information available

Reproductive toxicity
No information available
12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Effect</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecotoxicity effects</td>
<td>No information available.</td>
</tr>
<tr>
<td>Mobility</td>
<td>No information available.</td>
</tr>
<tr>
<td>Biodegradation</td>
<td>Inherently biodegradable.</td>
</tr>
<tr>
<td>Bioaccumulation</td>
<td>Does not bioaccumulate.</td>
</tr>
</tbody>
</table>

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

IATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
<td>Not classified as dangerous in the meaning of transport regulations</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>No information available</td>
</tr>
<tr>
<td>Subsidiary Class</td>
<td>No information available</td>
</tr>
<tr>
<td>Packing group</td>
<td>No information available</td>
</tr>
<tr>
<td>UN-Number</td>
<td>No information available</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

International Inventories

U.S. Federal Regulations

SARA 313
This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain HAPs.

U.S. State Regulations

California Proposition 65
This product does not contain chemicals listed under Proposition 65

WHMIS hazard class:
Non-controlled
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution. Since Cyagen Biosciences Inc. cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet