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

Product code: GUXMX-90021
Product name: Mesenchymal Stem Cells Osteogenic Differentiation Medium

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

- Eyes: No information available
- Skin: No information available
- Inhalation: No information available
- Ingestion: No information available

Specific effects
- Carcinogenic effects: No information available
- Mutagenic effects: No information available
- Reproductive toxicity: No information available
- Sensitization: No information available

Target Organ Effects: No information available

<table>
<thead>
<tr>
<th>HMIS</th>
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<tbody>
<tr>
<td>Health</td>
<td>0</td>
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<tr>
<td>Flammability</td>
<td>0</td>
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<td>Reactivity</td>
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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
Sensitization: No information available

Target Orcia Effects: No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: No information available.
Mobility: No information available.
Biodegradation: Inherently biodegradable.
Bioaccumulation: Does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA
- Proper shipping name: Not classified as dangerous in the meaning of transport regulations
- Hazard Class: No information available
- Subsidiary Class: No information available
- Packing group: No information available
- UN-No: No information available

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
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.

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End of Safety Data Sheet