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

Product code: NEAA-10201
Product name: NEAA Cell Culture Supplement

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-N0</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amino Acids</td>
<td>N/A</td>
<td>1-5</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Emergency Overview

Corrosive
The product causes burns of eyes, skin and mucous membranes.

Form
Liquid
3. HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>Principal Routes of Exposure/Exposure</th>
<th>Potential Health Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>Causes burns.</td>
</tr>
<tr>
<td>Skin</td>
<td>Causes burns.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Inhaled corrosive substances can lead to a toxic edema of the lungs.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Ingestion causes burns of the upper digestive and</td>
</tr>
</tbody>
</table>

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

HMIS

<table>
<thead>
<tr>
<th></th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Skin contact

Wash off immediately with plenty of water. If symptoms persist, call a physician.

Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Ingestion

Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Inhalation

Move to fresh air. If symptoms persist, call a physician.

Notes to physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media


Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Methods for cleaning up

Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Always wear recommended Personal Protective Equipment.

Storage

Avoid contact with skin and eyes. Always wear recommended Personal Protective Equipment.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

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**Personal protective equipment**

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory protection</td>
<td>In case of insufficient ventilation wear suitable respiratory</td>
</tr>
<tr>
<td>Hand protection</td>
<td>Protective gloves</td>
</tr>
<tr>
<td>Eye protection</td>
<td>Safety glasses with side-shields</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>Lightweight protective clothing.</td>
</tr>
<tr>
<td>Hygiene measures</td>
<td>Handle in accordance with good industrial hygiene and safety practice</td>
</tr>
<tr>
<td>Environmental exposure controls</td>
<td>Prevent product from entering drains.</td>
</tr>
</tbody>
</table>

**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: soluble

**10. STABILITY AND REACTIVITY**

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable.</td>
</tr>
<tr>
<td>Materials to avoid</td>
<td>No information available</td>
</tr>
<tr>
<td>Hazardous decomposition</td>
<td>No information available</td>
</tr>
<tr>
<td>products</td>
<td></td>
</tr>
<tr>
<td>Polymerization</td>
<td>Hazardous polymerisation does not occur.</td>
</tr>
</tbody>
</table>

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

**Principle Routes of Exposure**

**Potential Health effects**

- **Eye**
  - Causes burns.
- **Skin**
  - Causes burns.
- **Inhalation**
  - Inhaled corrosive substances can lead to a toxic edema of the lungs.
- **Ingestion**
  - Ingestion causes burns of the upper digestive and respiratory tracts.

**Specific effects**

- **Carcinogenic effects** (Long Term Effects)
  - No information available
- **Mutagenic effects**
  - No information available
- **Reproductive toxicity**
  - No information available
Sensitization: No information available

Aggravated Medical Conditions: Eyes. Skin. Mucous membranes.

12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Ecotoxicity effects</th>
<th>No information available.</th>
</tr>
</thead>
<tbody>
<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
- Proper shipping name: Corrosive liquid, acidic, organic n.o.s. (amino acid salts)
- Hazard Class: 8
- Subsidiary Class: None
- Packing group: III
- UN-No: 3265

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.

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End of Safety Data Sheet