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

Product code: ITSS-10201
Product name: ITS Cell Culture Supplement (100×)

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-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selenium compounds</td>
<td>none</td>
<td>&lt;0.01</td>
</tr>
</tbody>
</table>

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

3. HAZARDS IDENTIFICATION

Emergency Overview
The product contains no substances which at their given concentration, are considered to be hazardous to health
May be harmful if swallowed
May be harmful by inhalation
May cause eye irritation with susceptible persons

Form
Liquid
3. HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>Principle Routes of Exposure/</th>
<th>Potential Health effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>May cause eye irritation with susceptible persons.</td>
</tr>
<tr>
<td>Skin</td>
<td>No information available</td>
</tr>
<tr>
<td>Inhalation</td>
<td>May be harmful by inhalation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed.</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

<table>
<thead>
<tr>
<th>HMIS</th>
<th></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. 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: Dry chemical
- Special protective equipment: Wear self-contained breathing apparatus and protective suit for firefighters

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL (TWA)</th>
<th>OSHA PEL (Ceiling)</th>
<th>ACGIH OEL (TWA)</th>
<th>ACGIH OEL (STEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selenium compounds</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection
In case of insufficient ventilation wear suitable respiratory protective 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
Soluble

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 (oral, rat/mouse)</th>
<th>LD50 (dermal, rat/rabbit)</th>
<th>LD50 (inhalation, rat/mouse)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selenium compounds</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Principle Routes of Exposure/
Potential Health effects

Eye
May cause eye irritation with susceptible persons.

Skin
No information available

Inhalation
May be harmful by inhalation.

Ingestion
May be harmful if swallowed.

Specific effects

(Long Term Effects)

Carcinogenic effects
No information available

Mutagenic effects
No information available

Reproductive toxicity
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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>PICCS</th>
<th>ENCS</th>
<th>DSL</th>
<th>NDSL</th>
<th>AICS</th>
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<tbody>
<tr>
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<td>-</td>
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</table>

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 Reulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts - RTK</th>
<th>New Jersey - RTK</th>
<th>Pennsylvania - RTK</th>
<th>Illinois - RTK</th>
<th>Rhode Island - RTK</th>
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</table>

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

WHMIS hazard class:
D2B Toxic materials
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