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

Product code: Lentifect lentiviral particles
Product name: Lentifect lentiviral Particles

Contact manufacturer

GeneCopoeia Inc.
9620 Medical Center Drive, Suite 101
Rockville, MD 20850
USA

Phone: 301-762-0888
Toll free: 1-866-360-9531
Fax: 301-762-3888

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components
Lentiviral particles, CAS# is not available.

3. HAZARDS IDENTIFICATION

Emergency Overview
Appearance: pink (crude particles); milky or colorless (purified particles)
Caution! May cause eye, skin, and respiratory tract irritation. Good laboratory procedures are recommended when handling this compound

Principle Routes of Exposure/
Potential Health effects

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>May cause eye irritation</td>
</tr>
<tr>
<td>Skin</td>
<td>May cause skin irritation. May be harmful if absorbed through the skin.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>May cause respiratory tract irritation. May be harmful if inhaled.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May cause irritation of the digestive tract. 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

HMIS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</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**: Get medical aid. Do Not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
- **Inhalation**: Move to fresh air. Get medical aid if cough or other symptoms appear.
- **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**: Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.
- **Storage**: Keep in properly labelled containers. Store at -80°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational exposure controls**

- **Exposure limits**: Ensure adequate ventilation, especially in confined areas

**Engineering measures**

- **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 | Solid |

## Important Health Safety and Environmental Information

<table>
<thead>
<tr>
<th>Property</th>
<th>°C No data available</th>
<th>°F No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point/range</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point/range</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

# 10. STABILITY AND REACTIVITY

## Stability

Stable.

## Conditions to avoid

Incompatible materials, excess heat

## Hazardous decomposition products

No information available products

## Polymerization

Hazardous

Has not been reported

# 11. TOXICOLOGICAL INFORMATION

## Acute toxicity

Principle Routes of Exposure/

Potential Health effects

<table>
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<tr>
<th>Route</th>
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## Specific effects

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<td></td>
</tr>
<tr>
<td>Sensitization</td>
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</table>

## Target Organ Effects

No information available

# 12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Ecotoxicity effects</td>
<td></td>
</tr>
<tr>
<td>Mobility</td>
<td>No information available</td>
</tr>
<tr>
<td>Biodegradation</td>
<td>No information available</td>
</tr>
<tr>
<td>Bioaccumulation</td>
<td>No information available</td>
</tr>
</tbody>
</table>

# 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**
Not regulated

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**
This product contains the following HAPs:

**U.S. State Regulations**

**California Proposition 65**
This product contains the following Proposition 65 chemicals:

**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