SAFETY DATA SHEET

Identification of the substance/preparation and of the company/undertaking

Product name: Nystatin, Streptomyces noursei
Catalog #: 475914
Supplier: EMD Biosciences, Inc.
10394 Pacific Center Court
San Diego, CA 92121
(858)450-5558/(800)854-3417
FAX: (858)453-3552

Emergency telephone number: Call Chemtrec®
(800)424-9300 (within U.S.A.)
(703)527-3887 (outside U.S.A.)

Composition / information on ingredients

<table>
<thead>
<tr>
<th>Substance/Preparation</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical name*</td>
<td>nystatin</td>
</tr>
<tr>
<td>CAS No.</td>
<td>1400-61-9</td>
</tr>
<tr>
<td>EC Number</td>
<td>215-749-0</td>
</tr>
<tr>
<td>Symbol</td>
<td>-</td>
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<tr>
<td>R-Phrases</td>
<td>-</td>
</tr>
</tbody>
</table>

Hazards identification

Physical/chemical hazards: Not applicable.
Human health hazards: No specific hazard.

First-aid measures

First-Aid measures
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Aggravating conditions: Repeated or prolonged exposure is not known to aggravate medical condition.

Fire-fighting measures

Flammability of the Product: May be combustible at high temperature.
Extinguishing Media
Suitable: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Hazardous thermal (de)composition products: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).
Special fire-fighting procedures: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
6. Accidental release measures

Personal precautions: Be sure to use an approved/certified respirator or equivalent.

Small Spill and Leak: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill and Leak: Use a shovel to put the material into a convenient waste disposal container.

7. Handling and storage

Handling: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 4°C (39.2°F).

Packaging materials: Use original container.

Recommended use: Use in a well-ventilated area.

8. Exposure controls/personal protection

Engineering measures: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene measures: Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Personal protective equipment:

- Skin and body: Lab coat.
- Eyes: Safety glasses.

9. Physical and chemical properties

Physical state: Solid.

Color: Off-white to yellow.

Molecular Weight: 926.1 g/mole

Solubility: Easily soluble in cold water, methanol.

Flash point: Not available.

Explosive properties:
- Risks of explosion of the product in presence of mechanical impact: Not available.
- Risks of explosion of the product in presence of static discharge: Not available.

10. Stability and reactivity

Stability: The product is stable.

Conditions to avoid: Sensitive to light.

Hazardous Decomposition Products: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).

11. Toxicological information

RTECS #: RF5950000

Local effects:
- Skin irritation: Not available.
- Acute toxicity: Acute oral toxicity (LD50): 10000 mg/kg [Rat].
- Chronic toxicity: Repeated or prolonged exposure is not known to aggravate medical condition.

Other Toxic Effects on Humans:
- Not available.
- Not considered to be toxic for humans.
- Not available.
### 12. Ecological information

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity of the Products of Biodegradation</td>
<td>The product itself and its products of degradation are not toxic.</td>
</tr>
</tbody>
</table>

### 13. Disposal considerations

Methods of disposal; Waste of residues; Contaminated packaging: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### 14. Transport information

**International transport regulations**

- **Land - Road/Railway**
  - ADR/RID Class: Not controlled under ADR (Europe).

- **Sea**
  - IMDG Class: Not controlled under IMDG.

- **Air**
  - IATA-DGR Class: Not controlled under IATA.

**Special Provisions for Transport**

- Not applicable.

### 15. Regulatory information

**EU Regulations**

- Risk Phrases: This product is not classified according to the EU regulations.

**U.S. Federal Regulations**

- TSCA: No products were found.
- SARA 302/304/311/312 extremely hazardous substances: No products were found.
- SARA 302/304 emergency planning and notification: No products were found.
- SARA 302/304/311/312 hazardous chemicals: No products were found.
- SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
- SARA 313 toxic chemical notification and release reporting: No products were found.
- Clean Water Act (CWA) 307: No products were found.
- Clean Water Act (CWA) 311: No products were found.
- Clean Water Act (CWA) 311: No products were found.
- SARA 311/312 hazardous substances: No products were found.
- Clean air act (CAA) 112 accidental release prevention: No products were found.
- Clean air act (CAA) 112 regulated flammable substances: No products were found.
- Clean air act (CAA) 112 regulated toxic substances: No products were found.

**HCS Classification**

- Not controlled under the HCS (United States).

**State Regulations**

- : 

**WHMIS (Canada)**

- Not controlled under WHMIS (Canada).
- CEPA DSL: nystatin

### 16. Other information

**Hazardous Material Information System (U.S.A.)**

<table>
<thead>
<tr>
<th>Health</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Hazard</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>A</td>
</tr>
</tbody>
</table>

**National Fire Protection Association (U.S.A.)**

- Health: 0
- Fire Hazard: 1
- Reactivity: 0
- Specific Hazard: 0

**Notice to Reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. **This product is intended for research use only.**