SECTION 1: Identification of the substance/mixture and of the company/undertaking

Identification of the substance or mixture

Product code 15240062
Product name Antibiotic Antimycotic

Company/undertaking identification

LSI – Laboratoire Service International
6, Allee des Ecureuils
Parc Tertiaire Bois-Dieu
69380 Lissieu – France

Phone: +33 (0)472 548 282
Fax: +33 (0)472 548 283

24 hour Emergency Response: 866-536-0631
301-431-8585
Outside of the U.S. +1-301-431-8585

Country specific Emergency Number (if available):
CHEMTREC Brazil (Rio De Janeiro) +(55)-2139581449 (português)

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

SECTION 2: Hazards identification

GHS - Classification

Signal Word
WARNING

Health hazards
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2
Skin sensitization Category 1

Physical hazards
Not Hazardous
Hazard Statements
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary Statements
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P332 + P313 - If skin irritation occurs: Get medical advice/attention
P337 + P313 - If eye irritation persists: Get medical advice/attention
P264 - Wash hands thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>EINECS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>STREPTOMYCIN SULFATE</td>
<td>3810-74-0</td>
<td>-</td>
<td>0.5-1.5</td>
</tr>
<tr>
<td>Penicillin G Sodium Salt</td>
<td>69-57-8</td>
<td>-</td>
<td>0.5-1.5</td>
</tr>
</tbody>
</table>

We recommend handling all chemicals with caution.

SECTION 4: First aid measures

Skin contact
Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing and wash it before reuse. Immediate medical attention is required.

Eye contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

HMIS

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>
Ingestion
Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Inhalation
Remove to fresh air. If not breathing, give artificial respiration. Call a physician or poison control center immediately.

Notes to Physician
Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media

Special protective equipment for firefighters
Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental release measures

Personal precautions
Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protection equipment.

Methods for cleaning up
Soak up with inert absorbent material.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

See Section 12 for more information.

SECTION 7: Handling and storage

Handling
Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

Storage
Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

SECTION 8: Exposure controls/personal protection

Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>OSHA PEL (Ceiling)</th>
<th>ACGIH OEL (TWA)</th>
<th>ACGIH OEL (STEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Streptomycin Sulfate</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Penicillin G Sodium Salt</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Engineering measures
Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment
Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection
Impervious gloves.

Eye protection
Wear safety glasses with side shields (or goggles).

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. Do not allow material to contaminate ground water system.
SECTION 9: Physical and chemical properties

General information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor</td>
<td>Mixture has not been tested</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Mixture has not been tested</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>¹°C No data available</td>
</tr>
<tr>
<td>Melting point / melting range</td>
<td>¹°C No data available</td>
</tr>
<tr>
<td>flash point</td>
<td>¹°C No data available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>¹°C No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Mixture has not been tested</td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Mixture has not been tested</td>
</tr>
<tr>
<td>pH Range</td>
<td>4-6</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

Stability                        | Stable under normal conditions.           |
Materials to avoid                | No information available.                 |
Hazardous decomposition products | No information available.                 |
polymerization                    | None under normal processing.             |

SECTION 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>LC50 (inhalation, rat/mouse)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STREPTOMYCIN SULFATE</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Penicillin G Sodium Salt</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

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>eyes</td>
<td>Irritating to eyes.</td>
</tr>
<tr>
<td>Skin</td>
<td>May cause sensitization by skin contact.</td>
</tr>
<tr>
<td>inhalation</td>
<td>May cause irritation of respiratory tract.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.</td>
</tr>
</tbody>
</table>

Carcinogenic effects | None.                      |
Mutagenic effects    | None.                      |
Reproductive toxicity| None.                      |
Sensitization       | None.                      |

Target Organ Effects  | None under normal use conditions                                      |

SECTION 12: Ecological information

Ecotoxicity            | No information available.                                             |

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SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>IATA</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Subsidiary class</th>
<th>Packing group</th>
<th>UN-No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No dangerous good in sense of these transport regulations</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>none</td>
</tr>
</tbody>
</table>
SECTION 15: Regulatory information

<table>
<thead>
<tr>
<th>Component</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>STREPTOMYCIN SULFATE</td>
<td>Listed</td>
</tr>
<tr>
<td>3810-74-0 (0.5-1.5)</td>
<td></td>
</tr>
<tr>
<td>Penicillin G Sodium Salt</td>
<td>-</td>
</tr>
<tr>
<td>69-57-8 (0.5-1.5)</td>
<td></td>
</tr>
</tbody>
</table>

US 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.

US State Regulations

<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>
</tr>
</thead>
<tbody>
<tr>
<td>STREPTOMYCIN SULFATE</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Penicillin G Sodium Salt</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

California Proposition 65
This product contains the following Proposition 65 chemicals.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>STREPTOMYCIN SULFATE</td>
<td>3810-74-0</td>
<td>0.5-1.5</td>
<td>Developmental</td>
</tr>
</tbody>
</table>

WHMIS Hazard Class
D2B - Toxic materials

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16: Other information

Reason for revision  
SDS sections updated.

For research use only.

“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 present unknown hazards and should be used with caution. Since the Company 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 SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE”

End of Safety Data Sheet