Identification of the substances/mixture and of the company/undertaking

1.1 Product Identifiers
Product Number: FD144
Product Name: Legionella BMPA Selective Supplement
REACH Registration Number: This product is a mixture. Reach registration number is not available for this mixture.

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses: Laboratory Chemicals, Analytical Purpose, Biochemical Analysis

1.3 Details of the supplier of the safety data sheet
Produced by: HiMedia Laboratories Private Limited
Address: 23, Vadhani Industrial Estate, LBS Marg, Ghatkopar (W), Mumbai - 400 086 India
Tel. No.: +91-22-2500 0970, +91-22-2500 1607 Fax No.: +91-22-25002468
Mail Id: info@himedialabs.com
Website: www.himedialabs.com

1.4 Emergency Tel. No.
Emergency Tel. No.: Please contact the regional HiMedia representation in your country

2 Hazards Identification

2.1 Classification of the substance or mixture
CLP Classification-Regulation (EC) No. 1272/2008 [EU-GHS/CLP]
Acute toxicity, Oral, (Category 3), H301
Skin corrosion or irritation, (Category 2), H315
Sensitisation, Skin, (Category 1), H317
Serious eye damage or eye irritation, (Category 2A), H319
Sensitisation, respiratory, (Category 1), H334
Specific target organ toxicity, single exposure, Respiratory tract irritation, (Category 3), H335

2.2 Label elements
Labeling according to Regulation (EC) No.1272/2008

Pictogram
Signal word: Danger
Hazard Statement(s):
H301 Toxic if swallowed
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335  May cause respiratory irritation

Precautionary Statement(s)
P261  Avoid breathing dust/fume/gas/mist/vapours/spray.
P280  Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310  IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330  Rinse mouth.
P337 + P313  IF eye irritation persists: Get medical advice/attention.
P342 + P311  IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.
P333 + P313  IF SKIN irritation or rash occurs: Get medical advice/attention.

2.3  Other Hazards
None

3  Composition/Information On Ingredients
3.2  Mixture

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anisomycin</td>
<td></td>
<td>As Per EC Regulation 1272/2008</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>22862-76-6</td>
<td>Acute Tox.oral. 3  H301</td>
</tr>
<tr>
<td>EC No. :</td>
<td>245-269-7</td>
<td>&gt;=80 - &lt;=90%</td>
</tr>
<tr>
<td>Polymyxin B sulphate</td>
<td></td>
<td>As Per EC Regulation 1272/2008</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>1405-20-5</td>
<td>Acute Tox.oral 4   H302</td>
</tr>
<tr>
<td>EC No. :</td>
<td>215-774-7</td>
<td>&gt;=10 - &lt;=20%</td>
</tr>
<tr>
<td>Cefamandole sodium</td>
<td></td>
<td>As Per EC Regulation 1272/2008</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>30034-03-8</td>
<td>Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2A; Resp. Sens. 1; STOT SE 3   H315; H317; H319; H334; H335</td>
</tr>
<tr>
<td>EC No. :</td>
<td>250-009-0</td>
<td>&gt;=1 - &lt;=10%</td>
</tr>
</tbody>
</table>

Refer Section 16 for complete statement of H codes and its classification
4 First Aid Measures
4.1 Description of first aid measures
   General advice
   Consult a physician. Show this safety data sheet to the doctor in attendance.
   If inhaled
   If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
   In case of skin contact
   Wash with plenty of soap and water. Consult a physician.
   In case of eye contact
   Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.
   If swallowed
   Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed
   No data available.
4.3 Indication of immediate medical attention and special treatment needed
   No data available.

5 Fire Fighting Measures
5.1 Extinguishing media
   Suitable extinguishing media
   Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
   Unsuitable extinguishing media
   No data available.
5.2 Special hazards arising from the substance or mixture
   Nature of decomposition products not known.
5.3 Precautions for fire-fighters
   Wear self contained breathing apparatus for fire fighting if necessary
5.4 Further information
   No data available.

6 Accidental Release Measures
6.1 Personal precautions, protective equipment and emergency procedures
   Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
6.2 Environmental precautions
   Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
6.3 Methods and materials for containment and cleaning up
   Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.
6.4 Reference to other sections
   For disposal see Section 13.

7 Handling and Storage
7.1 **Precautions for safe handling**
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

7.2 **Conditions for safe storage, including any incompatibilities**
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Recommended Storage Temperature** : On receipt store between 2-8°C

7.3 **Specific end uses**
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8 **Exposure Controls/Personal Protection**

8.1 **Control parameters**
Components with workplace control parameters

8.2 **Exposure controls**

**Appropriate engineering controls**
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.

**Personal protective equipment**

**Hygiene measure**
Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

**Eye/face protection**
Tightly fitting safety goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection**
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body protection**
Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Environment exposure controls**
Do not empty into drains.

9 **Physical and chemical properties**

9.1 **Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White homogeneous powder</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
</tbody>
</table>
9.2 Other safety information
No data available

10 Stability and Reactivity
10.1 Reactivity
No data available
10.2 Chemical stability
No data available
10.3 Possibility of hazardous reactions
No data available
10.4 Conditions to avoid
No data available
10.5 Incompatible materials
No data available
10.6 Hazardous decomposition products
Other Decomposition products not known.

11 Toxicological Information
11.1 Information on toxicological effects
Acute toxicity
No data available
Skin corrosion/irritation
Mixture may cause skin irritation.
Serious eye damage/eye irritation
Mixture may cause eye irritation.
Respiratory or skin sensitisation
Mixture may cause skin sensitisation.

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeated exposure
No data available
Aspiration hazard
No data available
Potential Health Effects
Inhalation
REFER SECTION 2
Skin
REFER SECTION 2
Eyes
REFER SECTION 2
Ingestion
REFER SECTION 2
Additional Information
RTECS : Not Available

11.2 Components
Polymyxin B Sulfate
Acute Oral Toxicity
Mouse LD50: 790 mg/kg
Acute Intraperitoneal Toxicity
Mouse LD50: 20.5 mg/kg
Acute Subcutaneous Toxicity
Mouse LD50: 59.5 mg/kg
Acute Intravenous Toxicity
Mouse LD50: 5.4 mg/kg
Additional Information
RTECS: TR1150000

12 Ecological Information
12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available
12.3 Bioaccumulative potential
No data available
12.4 Mobility in soil
No data available
12.5 PBT and vPvB assessment
PBT/vPvB assessment was not conducted as chemical safety assessment is not required.
12.6 Other adverse effects
No data available

13 Disposal Considerations
13.1 Waste treatments methods
Product
Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material.

13.2 Contaminated packaging
Dispose of as unused product.

14 Transport Information
14.1 UN-No
ADNR : 3462 ADR : 3462 IATA_C : 3462 IATA_P : 3462 IMDG : 3462 RID : 3462

14.2 UN proper shipping name
ADNR : Toxins extracted from living sources, solid, n.o.
ADR : Toxins extracted from living sources, solid, n.o.
IATA_C : Toxins extracted from living sources, solid, n.o.
IATA_P : Toxins extracted from living sources, solid, n.o.
IMDG : Toxins extracted from living sources, solid, n.o.
RID : Toxins extracted from living sources, solid, n.o.

14.3 Transport hazard class(es)

14.4 Packaging group

14.5 Environmental hazards
ADNR : No ADR : No IMDG : No IATA_C : No IATA_P : No RID : No

14.6 Special precautions for use
No data available

15 Regulatory Information
This safety datasheet complies with the requirements of Regulation(EC) No. 1907/2006.

15.1 Safety health and environment regulations/legislation specific for the substance or mixture
No data available

15.2 Chemical Safety Assessment
No data available
Other information

Text of H codes and classification mentioned in section 3

H301  Toxic if swallowed
H302  Harmful if swallowed
H315  Causes skin irritation
H317  May cause an allergic skin reaction
H319  Causes serious eye irritation
H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335  May cause respiratory irritation
Acute Tox.oral 4  Acute toxicity, oral, Category 4
Acute Tox.oral. 3  Acute toxicity, oral, Category 3
Eye Irrit. 2A  Serious eye damage or eye irritation, Category 2A
Resp. Sens. 1  Sensitisation, respiratory, Category 1
Skin Irrit. 2  Skin corrosion or irritation, Category 2
Skin Sens. 1  Sensitisation, Skin, Category 1
STOT SE 3  Specific target organ toxicity, single exposure, Respiratory tract irritation, Category 3

Further Information

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