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

1.1 Product Identifiers
Product Number: FD078
Product Name: Campylobacter Selective Supplement, Karmali
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, +91-22-2500 1607
Fax No.: +91-22-2500 2468
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 1), H300
Skin corrosion or irritation, (Category 2), H315
Sensitisation, Skin, (Category 1), H317
Sensitisation, respiratory, (Category 1), H334
Germ cell mutagenicity, (Category 2), H341
Reproductive toxicity, (Category 1A), H360D
Hazardous to the aquatic environment, long term hazard, (Category 2), H411

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

Pictogram
Signal word: Danger
Hazard Statement(s)
H300: Fatal if swallowed
H317: May cause an allergic skin reaction
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
H341 Suspected of causing genetic defects
H360 May damage fertility or the unborn child
H411 Toxic to aquatic life with long lasting effects

Precautionary Statement(s)
P201 Obtain special instructions before use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling. Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

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>Vancomycin hydrochloride</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=1 - &lt;=10%</td>
</tr>
<tr>
<td>CAS No. : 1404-93-9</td>
<td>Skin Sens. 1</td>
<td>H317</td>
</tr>
<tr>
<td>EC No. :</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cefoperazone,sodium</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=10 - &lt;=20%</td>
</tr>
<tr>
<td>CAS No. : 62893-20-3</td>
<td>Skin Sens. 1; Resp. Sens. 1</td>
<td>H317; H334</td>
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<tr>
<td>EC No. : 263-751-5</td>
<td></td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actidione (Cycloheximide)</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=30 - &lt;=40%</td>
</tr>
<tr>
<td>CAS No. : 66-81-9</td>
<td>Acute Tox. oral. 1; Skin Irrit. 2; Muta. 2; Rep. 1B; Aquatic Chronic 2</td>
<td>H300; H315; H341; H360D; H411</td>
</tr>
<tr>
<td>EC No. : 200-636-0</td>
<td></td>
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<tr>
<td>Index-No : 613-140-00-8</td>
<td></td>
<td></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**
Immedially 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>Yellow powder.</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Flash point                  No data available
Flammability (Solid, gas)   No data available
Vapour pressure             No data available
Relative density           No data available
Water Solubility            No data available
Partition coefficient: n-octanol/water No data available
Autoignition Temperature    No data available
Viscosity                   No data available
Explosive properties        No data available
Oxidizing properties        No data available
Vapour density              No data available
Thermal decomposition       No data available

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 Toxocological Information
11.1 Information on toxocological effects
Acute toxicity
No data available
Skin corrosion/irritation
Mixture may cause skin irritation.
Serious eye damage/eye irritation
No data available
Respiratory or skin sensitisation
Mixture may cause skin sensitisation.
Germ cell mutagenicity
No data available
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

11.2 Components

Vancomycin Hydrochloride
Acute Oral Toxicity
Rat LD50: 10,000 mg/kg
Mouse LD50: 5,000 mg/kg
Acute Intraperitoneal Toxicity
Rat LD50: 2218 mg/kg
Mouse LD50: 1734 mg/kg
Acute Intravenous Toxicity
Rat LD50: 319 mg/kg
Acute Subcutaneous Toxicity
Mouse LD50: >5000 mg/kg

Additional information:
RTECS: YW4380000

Cycloheximide
Acute oral Toxicity
Rat LD50: 2 mg/kg
Skin Corrosion/Irritation
Skin-rabbit Result: Skin irritation: 24 h
Germ cell mutagenicity
Lab experiments have shown mutagenic effects.
Invitro tests showed mutagenic effects.
Reproductive toxicity
May cause congenital malformation in the fetus. 
Presumed human reproductive toxicant. 
Liver-irregularities-based on human evidence. 

**Additional Information**
RTECS: MA4375000

---

### 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 : 2811  ADR : 2811  IATA_C : 2811  IATA_P : 2811  IMDG : 2811  RID : 2811

#### 14.2 UN proper shipping name

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>ADNR</td>
<td>Toxic solids, organic, n.o.s.</td>
</tr>
<tr>
<td>ADR</td>
<td>Toxic solids, organic, n.o.s.</td>
</tr>
<tr>
<td>IATA_C</td>
<td>Toxic solids, organic, n.o.s.</td>
</tr>
<tr>
<td>IATA_P</td>
<td>Toxic solids, organic, n.o.s.</td>
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<tr>
<td>IMDG</td>
<td>Toxic solids, organic, n.o.s.</td>
</tr>
<tr>
<td>RID</td>
<td>Toxic solids, organic, n.o.s.</td>
</tr>
</tbody>
</table>

#### 14.3 Transport hazard class(es)

<table>
<thead>
<tr>
<th>Code</th>
<th>Hazard Class</th>
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<tbody>
<tr>
<td>ADNR</td>
<td>6.1</td>
</tr>
<tr>
<td>ADR</td>
<td>6.1</td>
</tr>
<tr>
<td>IATA_C</td>
<td>6.1</td>
</tr>
<tr>
<td>IATA_P</td>
<td>6.1</td>
</tr>
<tr>
<td>IMDG</td>
<td>6.1</td>
</tr>
<tr>
<td>RID</td>
<td>6.1</td>
</tr>
</tbody>
</table>
14.4 Packaging group

14.5 Environmental hazards
ADNR: No  ADR: No  IMDG: Marine pollutant  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

16 Other information
Text of H codes and classification mentioned in section 3
H300 Fatal if swallowed
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H341 Suspected of causing genetic defects
H360D May damage the unborn child
H411 Toxic to aquatic life with long lasting effects
Acute Tox. oral. 1 Acute toxicity, oral, Category 1
Aquatic Chronic 2 Hazardous to the aquatic environment, long term hazard, Category 2
Muta. 2 Germ cell mutagenicity, Category 2
Repr. 1B Reproductive toxicity, Category 1B
Resp. Sens. 1 Sensitisation, respiratory, Category 1
Skin Irrit. 2 Skin corrosion or irritation, Category 2
Skin Sens. 1 Sensitisation, Skin, Category 1

Further Information

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