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

1.1 Product Identifiers
Product Number: TC136
Product Name: Kanamycin sulphate
Cell Culture Tested
CAS No.: 25389-94-0
EC No.: 246-933-9

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses
Laboratory chemicals, Manufacture of substances

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.: +91-22-2500 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]
Reproductive toxicity, (Category 1B), H360

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

Pictogram
Signal word: Danger

Hazard Statement(s)
H360: May damage fertility or the unborn child

Precautionary Statement(s)
P201: Obtain special instructions before use.
P308 + P313: IF exposed or concerned: Get medical advice/attention.

2.3 Other Hazards
none
3 Composition/Information On Ingredients

3.1 Substances
Molecular Formula: \( \text{C}_{18}\text{H}_{36}\text{N}_{4}\text{O}_{11} \cdot \text{H}_{2}\text{O}_{4} \text{S} \)
Molecular Weight: 582.58
CAS No.: 25389-94-0
EC No.: 246-933-9

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kanamycin sulphate Cell Culture Tested</td>
<td>As Per EC Regulation 1272/2008 Repr.Tox. 1A, 1B H360</td>
<td>100%</td>
</tr>
</tbody>
</table>

CAS No.: 25389-94-0
EC No.: 246-933-9

For the full text of the H-Statements and classification mentioned in this Section, see Section 16.

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
Do NOT induce vomiting. 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
The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

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
Carbon oxides, nitrogen oxides (NOx), Sulphur oxides

5.3 Precautions for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary
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 dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2

7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended Storage Temperature: 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
Handle in accordance to general industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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
Faceshield and safety goggles.

Skin protection
Handle with gloves.

Body protection
Complete suit protecting against chemicals.

**Respiratory protection**
Air-purifying respirators.

**Environment exposure controls**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### 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 to off-white hygroscopic crystals or 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>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</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

Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions

No data available

#### 10.4 Conditions to avoid

Incompatible material

#### 10.5 Incompatible materials

Strong oxidizing agents

#### 10.6 Hazardous decomposition products

No data available
Other decomposition products - refer section 5.2.
In the event of fire - refer section 5.

11   Toxicological Information
11.1 Information on toxicological effects
    Acute toxicity
    No data available
    Skin corrosion/irritation
    No data available
    Serious eye damage/eye irritation
    No data available
    Respiratory or skin sensitisation
    No data available
    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.
    Reproductive toxicity
    No data available
    Specific target organ toxicity- single exposure
    No data available
    Specific target organ toxicity - repeated exposure
    No data available
    Aspiration hazard
    No data available
    Additional Information
    RTECS: NZ3225030

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 and vPvB assessment not available Chemical safety assessment is not required
12.6 Other adverse effects
    Discharge into the environment must be avoided.
13 Disposal Considerations

13.1 Waste treatments methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustive solvent and burn in chemical incinerator equipped with an afterburner and scrubber.

13.2 Contaminated packaging

Dispose of as unused product.

14 Transport Information

14.1 UN-No

ADNR : -  ADR : -  IATA_C : -  IATA_P : -  IMDG : -  RID : -

14.2 UN proper shipping name

ADNR : Not dangerous goods  ADR : Not dangerous goods  IATA_C : Not dangerous goods  IATA_P : Not dangerous goods  IMDG : Not dangerous goods  RID : Not dangerous goods

14.3 Transport hazard class(es)

ADNR : -  ADR : -  IATA_C : -  IATA_P : -  IMDG : -  RID : -

14.4 Packaging group

ADNR : -  ADR : -  IATA_C : -  IATA_P : -  IMDG : -  RID : -

14.5 Environmental hazards

ADNR : No  ADR : No  IMDG : Marine Pollutant : 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

16 Other information

Text of H-Statements and EUH-Phrases mentioned in section 3

H360  May damage fertility or the unborn child

Repr.Tox. 1A, 1B  Reproductive toxicity, Category 1A, 1B
Further Information

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