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

1.1 **Product Identifiers**
- **Product Number**: MD007
- **Product Name**: Carbenicillin (CB)
- **REACH Registration Number**: This product is a mixture. Reach registration number is not available for this product.

1.2 **Relevant identified uses of the substance or mixture and uses advised against**
- **Relevant identified uses**: For Laboratory and Research use only.
- **Relevant identified uses**: For InVitro Diagnostic Use

1.3 **Details of the supplier of the safety data sheet**
- **Produced by**: HiMedia Laboratories Private Limited
- **Address**: C-40, Road No.21Y, MIDC, Wagle Industrial Area, Thane(W), - 400 604, India
- **Tel. No.**: +91-22-6147 1919/6116 9797
- **Fax No.**: +91-22-61471920
- **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

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2 **Hazards Identification**

2.1 **Classification of the substance or mixture**
- **CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]**
Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

2.2 **Label elements**
- **Labeling according to Regulation (EC) No.1272/2008**
The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 **Other Hazards**
None

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3 **Composition/Information On Ingredients**
The components of this product need not be disclosed as per the regulations. Ingredients in this product are nonhazardous.

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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 off with soap and plenty of 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
Carbon oxides, nitrogen oxides (NOx), Sulphur oxides

5.3 Precautions for fire-fighters
Wear full protective clothing and 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 adsorbent material and dispose of as hazardous waste. 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. Store with desiccant.
**Recommended Storage Temperature**: On receipt store at -20°C

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

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**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 let product enter drains. Discharge into the environment must be avoided.

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**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>Two comb like inert strip having 8 different concentration impregnated on the circular filter paper disc and concentration printed on the each strip.</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>Not Applicable</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
Refer Section 5.2

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

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

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 : No data available

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
This substance or mixture contains no components considered to be persistent, bioaccumulating nor toxic (PBT) at levels of 0.1% or higher.

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 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 : 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 : NO
   ADR : NO
   IATA_C : NO
   IATA_P : NO
   IMDG : NO
   RID : NO

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 data sheet 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

Further Information

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The information given in this safety data sheet is believed to be correct yet does not claim to be all inclusive. This document is intended only as a guide for appropriate precautionary handling of the material by properly trained individuals, information here being commensurate with the present state of our knowledge regarding the manner and conditions of use, handling, storage or disposal. The information provided herein shall not be considered as guarantee of the properties of the product. HiMedia Laboratories, shall not be held liable for any damage resulting from improper handling or contact with the above product. Unless explicitly stated on the product or in any of the documentation accompanying the product, it is intended for research or testing purpose only and is not to be used for any other purpose.