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

1.1 **Product Identifiers**
- **Product Number**: CMS178
- **Product Name**: Calcium D-pantothenate
- **CAS No.**: 137-08-6
- **EC No.**: 205-278-9

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.**: +91-22-25002468
   - **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]**

   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**

   Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 **Other Hazards**

   This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. **Composition/Information On Ingredients**

3.1 **Substances**

   - **Synonym**: D-Pantothenic acid hemicalcium salt; Vitamin B₅
   - **Molecular Formula**: C₉H₁₆O₅N.1/2Ca
   - **Molecular Weight**: 238.27
   - **CAS No.**: 137-08-6
   - **EC No.**: 205-278-9

   No components need to be disclosed according to the applicable regulations.
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
   Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. 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), Calcium oxide
   No data available

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. Discharge into environment must be avoided.

6.3  Methods and materials for containment and cleaning up
Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). 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 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**

*Appearance* White to off-white hygroscopic crystals or powder
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
No data available
10.5 Incompatible materials
Strong oxidizing agents
10.6 Hazardous decomposition products
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: RU4375000

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**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.

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**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

Further Information

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