



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Commercial product name: Vitamin B5 (D-Calcium Pantothenate)

Description: USP39

Company: Aurora Industry Co.,Ltd.
Address: Room 7033, No.9-1, Haifu Road,
Dalian Free Trade Zone, China
Tel: 0411-82288674

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Dextro-calcium pantothenate

Synonyms: Vitamin B₅, Pantothenic acid calcium salt, calcium D-(+)-pantothenate

Labelling according to EU statutory

Order on dangerous substances: None

Hazardous components: None

Empirical Formula: C₁₈H₃₂CaN₂O₁₀

Molar Mass: 476.53 g/mol

CAS number: 137-08-6

EINECS number: 205-278-9



3. HAZARDS IDENTIFICATION

If handling accordingly with protective measures and with personal protective equipment no hazards health. Although avoid inhalation.

4. FIRST-AID MEASURES

Inhalation:	Rinse mouth and throat with water. Breath fresh air
Skin contact:	Rinse with water.
Eye contact:	Rinse with water.
Ingestion:	Rinse mouth and throat with water.

5. FIRE-FIGHTING MEASURES

Suitable fire extinguishing media:	Water, CO ₂ , foam, powder extinguisher, sand
Unusual hazards:	Not known
Special exposure hazards:	Risk of dust explosion.
Special protective equipment for firefighters:	Respiratory protector with gas filter or breathing apparatus recommended.

6. ACCIDENTAL RELEASE MEASURES

Individual precautions:	Wear protective equipment
Environmental precautions:	Hand over spilled material to recycling or to waste disposal.
Procedure of cleaning/take up:	Take up by mechanical means. Flush remainder with water

7. HANDLING AND STORAGE

Avoid dust formation. Store in a dry, shady and cool place in an unopened package.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Recommended personal protective equipment:

Respiratory protection:	Respiratory protector approved for this type of dust
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Hand protection:	Impermeable gloves
Eye protection:	Protecting glasses or eye shield

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White crystalline powder
Odour:	Odourless
Mealting point:	196°C
Bulk density:	about 0.3g/mL
Solubility in water:	Freely soluble in water
Solubility in other solvents:	Very slightly soluble in ethanol;Practically insoluble in chloroform or ether
pH (100 g/l water):	7.2 –8.0

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Materials to avoid:	Avoid humidity and contact with air.
Dangerous reactions:	Incompatible with strong acids, strong bases.

11. TOXICOLOGICAL INFORMATION

If handling accordingly with protective measures and with personal protective equipment no hazards health.

12. ECOLOGICAL INFORMATION

Product should not get into water without pre-treatment in an adapted, biological sewage work.

13. DISPOSAL CONSIDERATIONS

Waste disposal must be in accordance with appropriate local regulations. Do not re-use empty containers.



14. TRANSPORT INFORMATION

UN No.	Not applicable
Sea	According IMDG-Code,it's unregulated
Road/rail	Unregulated
Air	Unregulated

15. REGULATORY INFORMATION

The product is not subject to mandatory labelling.

16. OTHER INFORMATION

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