

AERCHEM INC.
320 North Walnut
Bloomington, IN 47404

Tel: 812.334.9996 Fax: 812.334.1960 Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 6-95
Product Name: d-Calcium Pantothenate USP/FCC
Synonyms: Panthenoic acid calcium salt, calcium d-patohenate
CAS No.: 137-08-6

SECTION 2: HAZARDOUS INGREDIENTS:

N/A

SECTION 3: PHYSICAL DATA

Odor: odorless
Appearance: white powder
Melting point.: 195°C
Molecular weight: 476.54
Chemical formula: C₁₈H₃₂CaN₂O₁₀
Solubility in water: 360 g/l
pH: 7.6
Bulk density: 0.6 kg/l

SECTION 4: FIRE AND EXPLOSION DATA

Flash point: N/A
Flammability: Material is combustible.
Extinguishing media: Water, Carbon Dioxide, Dry Chemical, Foam.
Fire fighting procedures: Wear NIOSH/MSHA approved positive pressure, self-contained breathing apparatus and full protective turn out gear. Use caution in approaching fire. Use water to keep fire exposed-containers cool.
Unusual fire and explosions hazards: Weak dust explosion hazard.

SECTION 5: REACTIVITY DATA

Stable X **Unstable** _____
Decomposition byproducts: CO, CO₂, and oxides of nitrogen
Incompatibilities/Condition to Avoid: Elevated temperatures, humidity sources of ignition, acids, bases
Hazardous Polymerization: Will not occur.

SECTION 6: HEALTH HAZARD DATA

Toxicity: LD50 Rat >21,920 mg/kg. Relatively harmless when ingested and no irritation with skin contact.
Route of Entry: Inhalation, Ingestion, Skin Contact
Permissible Exposure limits: 10.0 mg/m³ time weighted average

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Eliminate possible ignition sources. Follow appropriate grounding procedures. Scoop or shovel spilled material into a suitably labeled open-head drum. Secure the drum cover and move the container to a safe holding area. Mop or flush the area with water.
Disposal: This material is suitable for incineration. These recommendations are based on the product as shipped. Use, Processing, alteration or contamination may affect these disposal recommendation. State, local or site restrictions affecting the available proper disposal options may vary.

SECTION 8: FIRST AID PROCEDURES

Eye Contact: May cause eye irritation. Immediately flush eyes with plenty of water. If irritation occurs or persists, get medical attention.
Skin Contact: Remove contaminated clothing and shoes. Wash skin with soap and plenty of water. If irritation occurs or persists, get medical attention. Wash clothing before reuse.
Inhalation: Remove to fresh air. If discomfort occurs or persists, get medical attention.
Ingestion: If large quantities of this material are swallowed, get medical attention immediately. DO NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

SECTION 9: HANDLING AND STORAGE INFORMATION:

Storage Temperature: 25°C

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Shelf Life:	12 months
Special Sensitivity:	Do not heat above 70°C.
Precautions:	Do not generate dust or expose to ignition sources. Ground and bond all transfer equipment. Milling /mixing/drying should be performed in devices equipped with explosion relief or suppression systems or under inert conditions. Use adequate ventilation. Avoid contact with eyes., skin and clothing. Avoid breathing dust. When handling, use proper personal protective equipment. Wash thoroughly after handling. Keep container tightly closed when not in use. Store in a well-ventilated area at room temp.

SECTION 10: SPECIAL PROTECTION INFORMATION:

Ventilation:	Local ventilation is recommended when using this material.
Skin Protection:	None required
Eye Protection:	Safety glasses/goggles required
Respiratory Protection:	Half-face, non-toxic dust/mist filter.
Other:	Gloves

SECTION 11: TRANSPORT INFORMATION

DOT Classification:	NOT a DOT regulated material
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The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.