



Wuhan Xinru Chemical Industry Co., Ltd

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MATERIAL SAFETY DATA SHEET

Product Identification

【Product Name】 D-(+)-Pantothenic acid calcium salt

【Synonyms】

Dextrocalcium pantothenate
Pantothenate Calcium
Vitamin B5

【CAS】 137-08-6

【Formula】 $2C_9H_{16}CaNO_5$

【Molecular Weight】 476.6

【EINECS】 205-278-9

【RTECS】 RU4375000

【RTECS Class】 Drug

【Beilstein/Gmelin】 3769272

【Beilstein Reference】 4-04-00-02569

Physical and Chemical Properties

【Appearance】 White powder.

【Solubility in water】 Soluble

【Melting Point】 198 - 199

【Usage】 Health supplement.

【Vapor Density】 16.4

First Aid Measures

【Ingestion】



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Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.

【Inhalation】

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

【Skin】

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

【Eyes】

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Handling and Storage

【Storage】

Do not store in direct sunlight. Keep refrigerated. Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture. Store protected from light and air.

【Handling】

Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Avoid contact with air and sunlight. Keep from contact with moist air and steam.

Hazards Identification

【Inhalation】

May cause respiratory tract irritation. Low hazard for usual industrial handling.

【Skin】



【Skin】

May cause skin irritation. Low hazard for usual industrial handling.

【Eyes】 Contact may cause transient eye irritation.

【Ingestion】

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Low hazard for usual industrial handling.

Exposure Controls/Personal Protection

【Personal Protection】

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure.

【Respirators】

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

【Exposure Effects】

The toxicological properties of this material have not been investigated.

【Poison Class】 4

Fire Fighting Measures

【Flash Point】 195

【Fire Fighting】

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Extinguishing media: Use agent most appropriate to extinguish fire. Do NOT get water inside containers. In case of fire use water spray, dry chemical, carbon dioxide, or appropriate foam.



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Accidental Release Measures

【Small spills/leaks】

Clean up spills immediately, using the appropriate protective equipment. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation. Do not get water inside containers.

Stability and Reactivity

【Incompatibilities】 Oxidizing agents.

【Stability】 Stable under normal temperatures and pressures.

【Decomposition】

Carbon monoxide, oxides of nitrogen, irritating and toxic fumes and gases, carbon dioxide.