

CALCIUM CHLORIDE DIHYDRATE

FOOD GRADE

TECHNICAL DATA SHEET

SYNONYMS

Calcium dichloride, Cal plus, calcosan, Snowmelt, Calcium chloride anhydrous.

CHEMICAL STRUCTURE AND IDENTITY

Molecular formula	CaCl ₂ H ₄ O ₂
Molecular weight	147.01 g/mol
CAS number	10035-04-8
EINECES number	233-140-8
HS code	28272000

SPECIFICATIONS

Appearance	White Crystalline Powder
Assay	99.00% Min
Moisture	0.5% Max
Insoluble in acid	0.02% Max
Mg & Nacl	4.0% Max
pH	4.5-7
Arsenic	0.0003% Max
Mercury	0.0001% Max
Lead	0.0002% Max

PHYSICAL PROPERTIES

Boiling Point	174 °C
Melting Point	176 °C
Density	1.85 g/cm ³

DESCRIPTION

Calcium chloride is an odourless white crystalline solid powder which is highly soluble in water.

PACKAGING

Available in 25kg and 50kg bags. Other packaging may be considered on request.

STORAGE AND HANDLING

Store in tightly closed container, store in a cool, dry, ventilated area. Protect against physical damage. Provide alkali-resistant floor. Do not store together with acids. Prevent formation of dust. Any unavoidable deposit of dust must be regularly removed.

SAFETY

Protective clothing should be selected specifically for working place, depending on concentration and quality of the hazardous substances handled. And also use protective gloves and tightly sealed goggles during work.

FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air, and immediate medical attention.

Eye contact: Remove contact lenses. In case of contact, immediately flush eye with plenty of water for at least 15 minutes. Cold water may be used.

Skin contact: In case of contact, immediately flush skin with plenty water. Cover the irritated skin with an emollient ointment. Remove contaminated clothing and shoes. Wash clothing before reuse! Thoroughly clean shoes before reuse.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention immediately if large quantities of this material are ingested.

SPILL AND DISPOSAL

Use appropriate tools to put the spilled solid in convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface.

Dispose of substance in suitable containers in accordance with local, regional, national or international regulation. Do not dispose of in waterways or together with household waste.

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