

Material Safety Data Sheet

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CALCIUM CHLORIDE

I.- Product Identification

Manufacturer : Industria Del Alkali, S. A. De C. V.
Address : Carretera a García Km. 9
García, N L.
Telephone : (81) 8863-26-00
Chemical Name : Calcium Chloride
Chemical Family : Alkaline Salts
Chemical Formula : CaCl_2

II.- Dangerous Ingredients

It does not present noxious substances

III.- Components

Calcium Chloride : 93 % Min.
CAS Number : 10043 - 52 - 4

IV.- Physical Data

Molecular Weight : 110.99
Bulk Density : 40.00 - 49.00 Lb./Ft₃
Melting Point : 1,421 °F
Water Solubility : Very Soluble
Color : White
Appearance : Granular Solid

Effective : February - 2005
Replace : February - 2003



CALCIUM CHLORIDE**V.- Fire And Explosion Information**

Calcium Chloride is a NON - FLAMMABLE chemical product.
It is not susceptible to produce flames or explosions.

VI.- Reactivity Data

Stability : It is a stable product at normal conditions.
Incompatibility : It is highly hygroscopic, releasing heat when solved in water.

VII.- Cautions

It is not absorbed through skin.

In case of contact with the eyes : Wash immediately with running water, for at least fifteen minutes
Call a doctor or take patient to the nearest medical facility.

In case of contact with the skin : Wash with water until it is clean.

In case of ingestion : Immediately induce vomiting giving the patient two glasses of water
and introduce finger in throat.

Inhalation : Take patient to an area with fresh air.

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VIII.- Personal Safety Equipment

During the handling and use of Calcium Chloride it is convenient to protect :

- a).- The respiratory system, by using a breathing mask with dust filter
- b).- The eyes, using safety glasses or goggles.
- c).- The skin, using gloves, and apron which does not permit alkaline solutions to pass through.

IX.- Spills And Wastes

If the Calcium Chloride is spilled, it should be picked up with a shovel, filling a receptacle properly labeled and closed for later disposal.

Wash with plenty of water and contain to avoid its flow through water ways and the sewage system. Ask for assistance for its disposal.

The Calcium Chloride 94 % solution is neutralized by adding Sodium Carbonate, obtaining a mixture of Calcium Carbonate and Sodium Chloride.

Calcium Chloride waste should be handled according to the actual State and / or Federal regulation.

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