

# Technical Data Sheet

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Item Name:

# CaCl<sub>2</sub>

## PRODUCT INFORMATION

|                    |                             |
|--------------------|-----------------------------|
| Chinese Name:      | 氯化钙                         |
| Commodity Name:    | Calcium Chloride 94% Prills |
| Chemical Name:     | Calcium Chloride            |
| Other Name:        | Anhydrous Calcium Chloride  |
| CAS No.:           | 10043-52-4                  |
| Molecular Weight:  | 111                         |
| Molecular Formula: | CaCl <sub>2</sub>           |

## PRODUCT DESCRIPTION

Calcium chloride is an inorganic compound, a salt with the chemical formula CaCl<sub>2</sub>. It is a white coloured crystalline solid at room temperature, and it is highly soluble in water. It can be created by neutralising hydrochloric acid with calcium hydroxide.

## TECHNICAL SPECIFICATION

| Index                                        | Standard     |
|----------------------------------------------|--------------|
| Appearance                                   | White Prills |
| Assay (as CaCl <sub>2</sub> ) by wt %        | 94 min       |
| Total Alkali Chloride (as NaCl) by wt %      | 5 max        |
| Total Magnesium as MgCl <sub>2</sub> by wt % | 0.5 max      |
| Alkalinity (as Ca(OH) <sub>2</sub> ) by wt % | 0.25 max     |
| Sulphate by wt %                             | 0.05 max     |
| Water Insoluble by wt %                      | 0.25 max     |

## APPLICATION

Calcium Chloride 94% Prills are used as Ice & Snow Melter, Dust Control on roadways and mines, Road-base Stabilization, Dehydrating agent in petrochemicals, Drying Agent, Antifreeze for ready-mix concrete, Accelerator for cement, an antifreeze for coal storage and transportation, water treatment etc. It is also a water soluble weighting agent for formulating solids-free completion and workover fluids and to provide the desired water phase activity in invert emulsion muds. This product can be used in horizontal drilling and clear water flocculation. It is also used as accelerator in oil well cement slurries.

## PACKING AND SHELF LIFE

Packing: 25/1000kg PP bag with PE liner

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

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