SITARA CHEMICAL INDUSTRIES LTD.

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Calcium Chloride Dihydrate

1.0 Chemical Identification:

Chemical Formula	:	$CaCl_2 \cdot 2H_2O$
Molecular Weight	:	147.01
CAS No.	:	10035-04-8

2.0 Specification

Parameters		Average Chemical Analysis
Physical appearance	:	White / off-white deliquescent granules.
Calcium Chloride ($CaCl_2$)	:	77 % min.
Magnesium Chloride	:	2.0 % max.
Calcium Hydroxide	:	0.3 % max.
Calcium Sulphate	:	0.3 % max.
Water insoluble	:	0.5% max.
pH (5% W/V solution)	:	8– 11

3.0 Applications:

Calcium chloride has a variety of applications, like base stabilization for road construction.
Grouting agent for mines and oil wells, Drilling muds, refrigeration fluid, and soil pH adjuster. Sewage purification aid, flocculent, removal of phosphates and fluorides
Environmental additive for cement kilns.
Salt substitute in animal feed (as a supplement or for calcium deficiency)

4.0 Packing & Storage:

It is supplied in the packing of 25 kg Polypropylene bags/Jumbo bag 1MT, having polyethylene liner in bags. It must be stored in well-ventilated and covered area. It should be kept away from rain or damp.
Stability: Stable under normal conditions of use and storage.

5.0 General Product Information

Solid calcium chloride is a white, substance in the form of flake, granule, pellet or powder. With different crystallized water contents, it can be dihydrate or anhydrous.
As calcium chloride has such properties as quick dissolving, exothermic ability, attracting moisture from the air and surroundings, dissolving at very low temperature, it is widely used in snow & ice melting, dust control, oil & gas drilling, moisture-absorbing, etc.
Shelf Life: Long life is expected in airtight bags.

SITARA CHEMICAL INDUSTRIES LTD. FAISALABAD
S.M. Nabeel
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