

 CaCl_2

Calcium Chloride



PRODUCT DESCRIPTION

Calcium chloride dissolves fast and exothermically, and it holds moisture aggressively — two properties that make it useful in very different settings. In completion brines it builds density well past what sodium chloride can reach; on unpaved roads it pulls moisture from the air to keep dust bound to the surface.

TYPICAL SPECIFICATIONS

PROPERTY	VALUE	BASIS
Chemical formula	CaCl_2	Per standard
Grades available	77% flake · 94% pellet typical	Typical
Appearance	White flake or pellet	Typical
Alkalinity as Ca(OH)_2	0.2% maximum typical	Typical
Max brine density achievable	≈11.6 lb/gal typical	Typical
Total magnesium as MgCl_2	0.5% maximum typical	Typical

PRINCIPAL INDUSTRIAL APPLICATIONS

- Completion & Workover Fluids**
Builds clear brine density beyond the reach of NaCl systems, with strong shale inhibition and low formation damage potential.
- Dust Control**
Hygroscopic surface treatment for unpaved roads, lease roads, and pads — draws atmospheric moisture to keep fines bound down.
- De-icing & Concrete**
Effective de-icer well below the practical limit of rock salt, and a set accelerator in cold-weather concrete placement.

PACKAGING & AVAILABILITY

- 50 lb bags

HANDLING & STORAGE

Strongly hygroscopic — store sealed in a dry area or the product will deliquesce. Dissolution is exothermic; add to water slowly. Irritant to skin and eyes.

A Safety Data Sheet (SDS) is available for this product on request and should be reviewed before handling.

ORDERING & TECHNICAL SUPPORT

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IMPORTANT NOTICE

The information in this data sheet is provided in good faith and is believed accurate at the date of issue. Values marked "Typical" represent commercial norms and are not a specification; the certificate of analysis for your specific shipment governs. Values marked "Per standard" are requirements of the cited standard. Mix Minerals makes no warranty, express or implied, regarding suitability for any particular application. The user is responsible for determining suitability and for safe handling in accordance with the applicable Safety Data Sheet.