



# EXPRESS®

## Premium Anhydrous Calcium Chloride Product Data Sheet

### General Description

EXPRESS®, the premium anhydrous calcium chloride by TETRA Chemicals, is a white, high-purity mini-pellet with 94%-97% CaCl<sub>2</sub> by weight

EXPRESS® exhibits the following features:

1. Fast Dissolving
2. Low Dusting
3. Free Flowing Pellet
4. Very Low Impurities

### Applications

EXPRESS® is widely used in oilfield applications such as completion and workover fluids to increase density; cementing as an accelerator and in the water phase of oil-based drilling muds.

EXPRESS® is also suitable for ready mix concrete acceleration; dust stabilization on unpaved roads; tire weighting; brine refrigeration; non-potable water treatment; and other industrial and commercial applications.

### Chemical Properties

Chemical Formula.....CaCl<sub>2</sub>  
Form.....A white odorless granule  
Assay.....94% - 97% by weight calcium chloride  
Bulk Density.....Approximately 55 pounds per cubic foot  
pH.....7.0 to 10.0

### Typical Analysis (impurities on a 100% basis)

Calcium Chloride.....≤ 94%  
Alkali Chlorides (as NaCl).....< 1 %  
Total Magnesium (as MgCl<sub>2</sub>).....< 0.1%  
Other Impurities (not H<sub>2</sub>O).....< 1 %  
Iron (Fe).....< 20 ppm  
Sodium (Na).....< 500 ppm  
Sulfates (as SO<sub>4</sub>).....< 250 ppm  
Alkalinity (as CaCO<sub>3</sub>).....< 2,000 ppm

### Typical Screen Analysis

Screen Number:  
4 (4.76 mm).....100% passing  
16 (2.38 mm).....80-100% passing  
40 (0.42 mm).....0-5% passing

## Packaging

Package	Pallet Size	Units/Pallet	Pallets/Truckload
50lb Plastic Bag	40x48	56	15
25kg Plastic Bag	40x48	42	18
80lb Plastic Bag	40x48	35	15
80lb Paper Bag	40x48	35	15
2000lb Bulk Bag	40x48	1	21
1000kg Bulk Bag	40x48	1	19

## Safety and Handling

EXPRESS®, the premium solid calcium chloride, is not subject to DOT regulations. However, it is a hygroscopic salt, exhibiting a strong exothermic heat of dissolution. Always use cool water (less than 80°F or 27°C) when dissolving or diluting calcium chloride. Protective clothing, such as rubber gloves, safety goggles, rubber safety boots and a respiratory mask should be worn during handling.

## Technical Support

EXPRESS® is supported by technical assistance from personnel with extensive product knowledge and experience. Chemical engineers, chemists and lab technicians are on hand to provide customer support. Twenty-four hour technical assistance is available by calling toll-free: (800) 327-7817.

## Web Site

<http://www.tetratec.com>

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P.O. Box 73087 Houston, Texas 77273

Telephone: (281) 367-1983 Order Processing: (800) 327-7817

Facsimile: (281) 367-6471 USA or (281) 364-4320 Export Orders

*TETRA's dry calcium chloride production facility is ISO 9002 Certified, BSI Certificate Number FM 38434*