

# EXPRESS CALCIUM CHLORIDE

## Product Data Sheet

### General Description

EXPRESS® calcium chloride (CaCl<sub>2</sub>) is a white, premium anhydrous, high purity mini-pellet with 93 to 97 weight percent CaCl<sub>2</sub>.

EXPRESS exhibits the following features and benefits:

- It is fast dissolving,
- It is low dusting,
- It is a free flowing pellet, and
- It contains very low levels of impurities.

### Applications

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

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

### Availability

#### EXPRESS PACKAGING

Package	Pallet Size	Units/ Pallet	Pallets/ Truckload
<b>50 lb Plastic Bag</b>	40x48	50	17
<b>1000 kg Bulk Bag</b>	44x44	1	19

#### TETRA Chemicals

24955 Interstate 45 North  
The Woodlands, Texas 77380

Phone: 281.367.1983

Customer Service: 800.327.7817

Fax: 281.298.7150

[www.tetrachemicals.com](http://www.tetrachemicals.com)

*Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. Further, nothing contained herein shall be taken as a recommendation to manufacture or use any of the herein described materials or processes in violation of existing or future patents.*

### Safety and Handling

EXPRESS calcium chloride generates considerable heat when mixed with water. In solid or solution form, this product may irritate or burn eyes and is a skin, ingestion, and inhalation irritant. Protective clothing, rubber gloves and eye protection are recommended. Rubber safety boots should also be worn in work areas, since calcium chloride can damage leather. This product should be handled in areas with proper ventilation. Before using this product, refer to the MSDS (available on the Company's website) for complete safety and handling guidelines. For proper disposal guidelines for calcium chloride wastes, consult the appropriate local regulatory authorities.

#### CHEMICAL PROPERTIES

<b>Chemical</b>	CaCl <sub>2</sub>
<b>Appearance</b>	White mini-pellet
<b>Odor</b>	None
<b>Assay</b>	93 to 97% by weight CaCl <sub>2</sub>
<b>Bulk Density</b>	Approx. 47-51 lb/cubic foot
<b>pH</b>	7.0 to 10.5 (at 5 to 38% solution)

#### TYPICAL ANALYSIS\*

<b>Calcium Chloride</b>	93% minimum
<b>Magnesium and Alkali Salts</b>	5% maximum
<b>Moisture</b>	4% maximum
<b>Other Impurities</b>	0.40% maximum

\*impurities based on 100% CaCl<sub>2</sub> basis

#### TYPICAL SCREEN ANALYSIS

Screen Number:	Cumulative Wt. %, Retained	
	Minimum	Maximum
<b>6 (3.36mm)</b>	0.0	10.0
<b>16 (1.19mm)</b>	40.0	100.0
<b>20 (0.81 mm)</b>	85.0	100.0