

PelletOil™

Calcium chloride pellets 94-98%

PRODUCT DATA SHEET

General Description

PelletOil™ calcium chloride (CaCl₂) is a white anhydrous calcium chloride (CaCl₂) high purity pellets with a smaller particle size with 94-98 weight percent calcium chloride contents. PelletOil™ meets ASTM D 98-05, AASHTO M144 and GOST 450-77 requirements for calcium chloride purity. ASTM classification for PelletOil™ is Type S, Grade 3, Class B.

Applications

In oilfield service applications, PelletOil™ has two main uses in the development and further running of an oilfield: it is used as a primary ingredient in completion fluids and as the brine phase in an invert emulsion oil mud. PelletOil™ increases the density in completion and drilling fluids and reduces shale swelling in mud. Brine fluids are generally designed to cool the drill bit and facilitate drilling in applications where the heavier drilling mud is not necessary, such as in well completions.

Chemical properties

INDICES	GUARANTEED	TYPICAL ANALYSIS
Calcium Chloride (CaCl ₂)	% 94 MIN	% 97
Magnesium (as MgCl ₂)	% 0.5 MAX	% 0.2
Alkali Chlorides (as NaCl)	% 1.5 MAX	% 0.4
Other Impurities* (except moisture)	% 0.2 MAX	% 0.1
pH	7.0 to 10.5 (at 5 to 38 % wt solutions)	

* impurities based on 100 % CaCl₂ basis

Safety and handling PelletOil™ calcium chloride (CaCl₂) should be handled in areas with proper ventilation; protective clothing, rubber gloves and eye protection are recommended. For further details, please refer to product Material Safety Data Sheet.

PelletOil™ PACKAGING	
25kg PP valve bags	1 MT/ 40 bags per pallet (100 x 120 x 120 cm)
50lb PP valve bags	2,000 lb per pallet (100 x 120 x 115 cm)
1 MT IBC net weight (1000kg PP Big Bags with PE insert)	105 x 125 x 125 cm

Physical properties

PelletOil™	
Appearance	White Pellets
Odour	None
Bulk Density	MIN 750 kg/cub m (50 lb/cub m)
Molecular weight	110.99
Particle Size Distribution	
More than 5.0 mm	10 % max
1.2 – 5.00 mm	75 % min
Less than 1.25 mm	15 % max

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