MYKOWELL

PRODUCT BULLETIN

Calcium Chloride (Dry)

Calcium Chloride can be used to achieve rapid density increase with minimum volume addition. It also provides inhibition preventing the hydration and migration of swelling clays and can be used in packer fluids. Calcium Chloride is available with anhydrous ($CaCl_2$) and dihydrate ($CaCl_2.2H_2O$) in forms of prills, powder, granule or flakes.

Typical Physical Properties

Appearance	White prills	White powder	White granule	White flake
Formula	$CaCl_2$	$CaCl_2$	$CaCl_2$	$CaCl_2.2H_2O$
Assay, % min.	94.0	94.0	94.0	74.0
Cl-, % max.	3.0	3.0	3.0	4.0
Impurity, % max.	1.0	1.0	1.0	1.0
Moisture, % max.	0.5	0.5	0.5	
Particle size	1 - 4 mm	40 - 80 mesh	1 - 7 mm	

Application

Calcium Chloride, as a brine, can be used to formulate single salt brines to 11.67 lb/gal (1398 kg/m^3) or in combination with other salts to form brines of the required density. The most common combination is with Calcium Bromide brines to densities up to 15.1 lb/gal (1812 kg/m^3). In non-aqueous fluids, treatments will depend on the required degree of osmotic activity required.

Recommended Handling

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

Packed in 25 kgs PP Woven bags or 1 MT bulk bags.

Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and /or stacking.

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