

CALCIUM NITRATE



CALCIUM NITRATE is a hydrated salt and used as a calcium source in clear water drilling, invert emulsion muds and as an accelerator in cementing. CALCIUM NITRATE is also a source of nitrates which can be used to revitalize well sites and other project locations. Nitrogen-loading limits as described in the ERCB D-50 should be followed.

Application CALCIUM NITRATE is used in clear water drilling, invert emulsion muds, cementing and dewatering as a calcium source. In the dewatering process CALCIUM NITRATE is used as a coagulant to neutralize the charged particles on the suspended solids.

Advantages

- Excellent source of calcium
- Can be used to revitalize well and project sites (fertilizer)
- Effective coagulant

Typical Usages

Typical Amounts of CALCIUM NITRATE to be Added		
Application	lb/bbl	kg/m ³
Dewatering	3-3.5	8.5-9.5
Drilling	1-3 kg/m ³ (or as required) to maintain 200-400 mg/L of calcium ion for clear water drilling	

Properties

Physical Appearance	White granules/pellets
Specific Gravity	1.12
Solubility	Soluble
pH (5% solution)	6.0

Packaging CALCIUM NITRATE is packaged in 80lb (CAN) and 50lb (USA) multi-walled sacks; 40 80lb bags per pallet.