



CALCIUM NITRATE (Envirofloc)

DESCRIPTION

Calcium Nitrate (Envirofloc) is the hydrated double salt $5\text{Ca}(\text{NO}_3)_2 \cdot \text{NH}_4\text{NO}_3 \cdot 10\text{H}_2\text{O}$.

PROPERTIES

Physical		Chemical	
Appearance:	Off-white powder	Type:	Salt
Specific Gravity:	1.12	Solubility:	Soluble (water)
Bulk Density:	1.06 kg/m ³	pH:	6.0 (5% solution)
Flash Point:	Not available	Microtox:	=52% @ (1.4 kg/m ³)

APPLICATION

Calcium Nitrate is an excellent source of calcium for clear-water drilling. In moderate quantities nitrates are a plant nutrient and can ultimately be consumed, actually aiding in the goal of re-vegetation of well sites. Maintain a minimum of 250 mg/L of calcium ion while floc-water drilling.

Calcium Nitrate can also be used as a calcium source in invert oil emulsions and as an accelerator for oil well cement.

MIXING AND HANDLING

Calcium Nitrate can be added through the hopper or pre-dissolved in water in the chemical barrel prior to being added. Note that in the presence of excess hydroxide concentration, ammonia gas will be liberated. Ammonia gas will irritate the nose, throat and respiratory system and can cause eye injury. It is advisable to use a dust mask and eye protection while mixing all powdered products. Store securely away from combustible materials and reducing agents.

WHMIS: Not Controlled	TDG: Not Regulated	PACKAGING: 80 lb sack
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