

CALCIUM NITRATE

CALCIUM SOURCE

CALCIUM NITRATE, also known as ENVIROFLOC, is the hydrated double salt: $5\text{Ca}(\text{NO}_3)_2 \cdot \text{NH}_4\text{NO}_3 \cdot 10\text{H}_2\text{O}$. It is used as a calcium source in clear water drilling, invert emulsion muds and as an accelerator in cementing.

FEATURES AND BENEFITS:

- An excellent source of calcium
- In moderate quantities, nitrates are a plant nutrient, aiding in the re-vegetation of well sites. (Be aware of ERCB D-050 nitrogen-loading limits)

RECOMMENDED TREATMENT:

1-3 kg/m³ (or as required) to maintain 200-400 mg/L of calcium ion for clear water drilling.

PHYSICAL PROPERTIES:

Appearance:	White odourless granules (hygroscopic)
Specific Gravity:	1.12
Solubility:	Soluble (water)
pH:	6.0 (5% solution)

MIXING/HANDLING:

Mix directly through the hopper or pre-dissolve in water and add via a chemical barrel. **In high pH fluids, ammonia may be released.** Refer to the SDS for specific precautions and handling requirements.

MICROTOX[®] THRESHOLD: TBD

PACKAGING: 39.3 kg bag / 40 bags/pallet