



CALCIUM AMMONIUM NITRATE

PRODUCT DATA

ENVIROFLOC, CALCIUM NITRATE, $5Ca(NO_3)_2 \cdot NH_4NO_3 \cdot 10H_2O$

PHYSICAL PROPERTIES

Ammonium-N: (NH₄): 1.0 - 1.3%
Nitrate-N: (NO₃-N): 14 - 14.4%
Total N: 12 - 16% min
Calcium (Ca): 19% min
Appearance: Solid - prill (2 - 4mm)
Colour: White - tan
Odour: Odourless
Solubility: Soluble in water (>100g/l)
pH: 5 - 7 (110g/l)
SG: 1 - 1.12

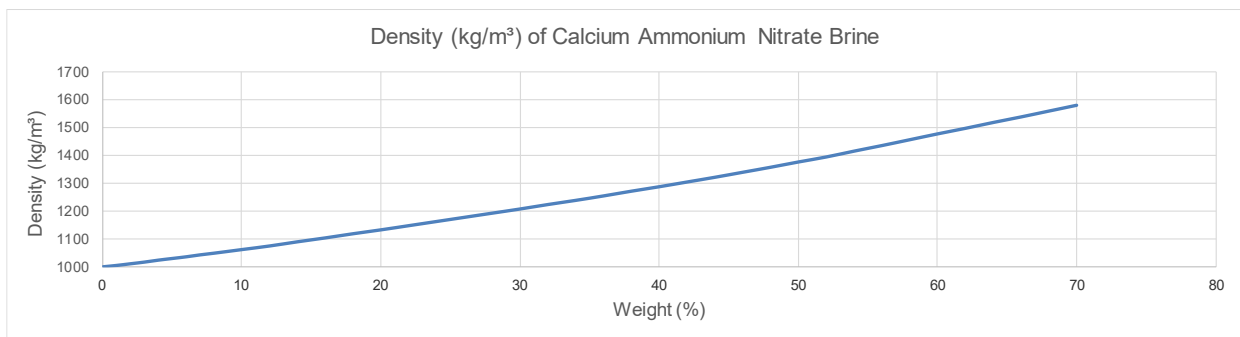


PACKAGING

25kg sack
36.29kg sack
1000kg Big Bags

APPLICATIONS AND BENEFITS

Calcium ammonium nitrate is an excellent source of soluble calcium and can be used as a coagulant in clear water drilling / stripping operations, as an accelerator in cementing and as a weighting agent in straight and mixed brines for well control. Calcium ammonium nitrate is a free flowing material with 90% of particles between 2– 4mm. It is hygroscopic in nature so it readily dissolves. Calcium ammonium nitrate is not regulated under TDG.



HIGHLIGHTS

- Quickly dissolves in water
- An excellent source of soluble calcium
- Excellent weighting characteristics (can increase brine density to 1581kg/m³ in single salt systems)
- Good brine compatibility. Can be used to supplement other salts to reach higher densities (CaCl₂ primarily)
- Can be used to stabilize shales at higher concentrations

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