



Calcium Nitrite 31.5% Solution

CAS No.: 13780-06-8

Formula: $\text{Ca}(\text{NO}_2)_2$

DESCRIPTION

Calcium Nitrite 31.5% is a clear aqueous solution used primarily as a corrosion-inhibiting admixture in cement and concrete. In addition to its anti-corrosion properties, it provides antifreeze functionality and moderate acceleration of set. These combined features make it particularly effective in demanding concrete applications, including cold-weather conditions.

KEY FEATURES

- Highly effective corrosion inhibitor for reinforced concrete
- Provides antifreeze and moderate acceleration properties
- Compatible with a wide range of cement types and admixtures
- Reliable performance in cold weather concreting

APPLICATIONS

- Cold-weather concrete
- Corrosion protection of reinforced concrete structures
- Compatible with silica fume, fly ash (Class F and C), Portland Cement
- Suitable for use with other admixtures (compatibility testing recommended)

TYPICAL SPECIFICATIONS

Parameter	Specification
Assay (%)	≥ 31.5
Calcium Nitrate (%)	≤ 1.0
Specific Gravity (g/ml)	1.28 – 1.31
Water Insolubles (%)	≤ 0.5



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- Totes
- Bulk

STORAGE

Store in a cool, dry place away from direct sunlight. Keep sealed in original packaging to maintain product quality.

SAFETY & HANDLING

Refer to the Safety Data Sheet (SDS) for detailed information on handling, protective equipment, first aid measures, and disposal.