



Calcium Nitrite 94%

CAS No.: 13780-06-8

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

DESCRIPTION

Calcium Nitrite is an inorganic compound and a strong oxidizing agent. It appears as a white crystalline powder that may cake during storage but dissolves readily in water. Due to its solubility and high activity, it is widely used as a corrosion inhibitor and performance additive in concrete admixtures.

KEY FEATURES

- High-purity solid form ($\geq 94.5\%$)
- Strong oxidizing properties and highly water soluble
- Effective corrosion inhibitor in reinforced concrete
- Compatible with various cement types and admixtures

APPLICATIONS

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

TYPICAL SPECIFICATIONS

Parameter	Specification
Calcium Nitrite (%)	≥ 94.5
Calcium Nitrate (%)	≤ 5.0
Calcium Hydroxide (%)	≤ 1.0
Moisture (%)	≤ 1.0
Water Insolubles (%)	≤ 1.0



**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

- 25 kg bags
- 900/950 kg super sacks

STORAGE

Store in a dry, cool location away from direct sunlight. Keep in sealed, original packaging to maintain quality and prevent caking.

SAFETY & HANDLING

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