



Calcium Nitrite 30% Solution

CAS Number: 13780-06-8
Chemical Formula: $\text{Ca}(\text{NO}_2)_2$

Calcium Nitrite 30% is a clear yellow to light brown aqueous solution specifically formulated as a high-performance corrosion inhibitor. It functions by passivating embedded steel reinforcement, preventing the onset of corrosion and improving the long-term structural integrity of concrete exposed to aggressive environments such as marine atmospheres and de-icing salts. Its stable, water-soluble composition ensures consistent performance across a wide range of environmental and service conditions.

APPLICATIONS

Primarily used in concrete admixture formulations to protect reinforcing steel, Calcium Nitrite 30% is suitable for both precast and cast-in-place structures. It is also applied in industrial systems, such as heat transfer fluids, where corrosion control is essential. The product is compatible with most concrete admixtures and can be integrated into diverse mix designs to enhance durability and extend service life.

USAGE

Dosage rates vary by application, exposure conditions, and engineering requirements. Consult your technical representative for project-specific recommendations.

PRODUCT SPECIFICATIONS

Property	Specification
Appearance	Yellow to light brown liquid
Calcium Nitrite (%)	≥ 30.0
Calcium Nitrate (%)	< 1.0
Water Insolubles (%)	< 1.0



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

Chemport Pty Ltd provides the information contained in this document in good faith based on the best knowledge available at the time of publication. While we believe the information to be accurate and reliable, it is intended for general guidance only and is provided without warranty of any kind, express or implied.

Users are solely responsible for determining the suitability of this product for their specific application and for ensuring compliance with all relevant regulations, industry standards, and intellectual property rights. The product must not be used in violation of any law, statute, or third-party rights.

Chemport Pty Ltd shall not be liable for any direct, indirect, or consequential loss or damage arising from the use of this product or reliance on the information provided in this document. Users should refer to the current Safety Data Sheet (SDS) and perform their own evaluations, including any necessary testing, to confirm the product's suitability for use in their particular conditions.

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

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PACKAGING

- 1300 kg totes and bulk
- Other packaging options available on request

STORAGE & HANDLING

Store in a cool, dry, well-ventilated area away from direct sunlight and incompatible materials. Keep containers sealed when not in use to prevent contamination and evaporation. Avoid direct contact with skin, eyes, and clothing. Use PPE including chemical-resistant gloves, goggles, and protective clothing. Ensure secondary containment to prevent environmental release.

SAFETY

All information herein is believed to be accurate but is provided without warranty, expressed or implied. Users are responsible for determining the suitability of Calcium Nitrite 30% for their intended use and ensuring compliance with safety regulations and handling protocols.