COLLOIDAL-SIL™ (NS14)30

Sodium-Stabilised Colloidal Silica

PRODUCT DESCRIPTION

COLLOIDAL-SIL™ (NS14)30 is a sodium-stabilised, alkaline aqueous dispersion of amorphous silica particles. It contains 29–31% silica by weight, with an average particle size of 10–16 nm.

The negatively charged silica particles form a translucent liquid dispersion with a high surface area. The product is suitable for use as an inorganic binder or functional additive in industrial formulations.

KEY FEATURES

- Sodium-stabilised alkaline dispersion
- Negatively charged silica particles
- High surface area
- Functions as an inorganic binder or functional additive

APPLICATIONS

- Inorganic binder in industrial formulations
- Functional additive in industrial systems

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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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PRODUCT SPECIFICATIONS

PARAMETER	TYPICAL VALUE
Appearance	Translucent liquid
SiO_2 content by weight	29–31%
Density at 25°C	1.193–1.208 g/cm³
pH at 25°C	9.0–10.5
Na_2O content by weight	≤0.5%
Viscosity at 25°C	3.0–8.0 mm²/s
Average particle size	10–16 nm
Surface area	250 m²/g

PACKAGING

200 L plastic drums, 1,000 L IBCs or bulk flexitanks. Other bulk or custom packaging is available upon request.

STORAGE & HANDLING

Store at 0–40°C in original packaging. Protect from freezing and direct sunlight, particularly when using translucent or transparent packaging. Freezing may cause irreversible silica precipitation.

Shelf life is 12 months when stored in original, unopened packaging under the recommended storage and transport conditions.

SAFETY

Not classified as hazardous; however, mild irritation may occur. Wear protective gloves and eye protection. In case of contact, rinse thoroughly with water and seek medical attention if irritation persists.

Refer to the current Safety Data Sheet (SDS) before handling for detailed information on safe handling, storage, personal protection and disposal.