Sodium Hypophosphite Monohydrate

CAS Number: 10039-56-2
Chemical Formula: $NaH_2PO_2 \cdot H_2O$

PRODUCT DESCRIPTION

Sodium hypophosphite monohydrate is supplied as crystals with a pearly lustre or as a white crystalline powder. It is primarily used as a reducing agent in electroless nickel plating, where it helps deposit a uniform nickel–phosphorus coating. This process can coat complex shapes, recessed surfaces and suitably prepared non-metallic substrates.

KEY FEATURES

- Reducing agent for electroless nickel plating
- Supports uniform nickel–phosphorus deposition
- Suitable for plating complex geometries and recessed surfaces
- Controlled limits for calcium, iron, sulphate, chloride and trace metals

APPLICATIONS

- Electroless nickel plating of metal components
- Metallisation of suitably prepared plastics, ceramics, glass and quartz
- Manufacture of water treatment chemicals, catalysts and stabilisers
- Resin modification and molecular weight control in polymer synthesis

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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	Crystals with a pearly lustre or white crystalline powder
Sodium phosphite (Na_2HPO_3)	Maximum 0.2%
Calcium (Ca)	Maximum 30 ppm
Iron (Fe)	Maximum 1.0 ppm
Sulphate (SO_4)	Maximum 30 ppm
Chloride (Cl)	Maximum 30 ppm
Lead (Pb)	Maximum 0.5 ppm
Arsenic (As)	Maximum 1.0 ppm
pH	6.0–8.0
Cadmium (Cd)	Maximum 1.0 ppm

PACKAGING
Packaging options and pack sizes are available upon request.

STORAGE & HANDLING
Protect from direct contact with moisture. Shelf life is 2 years when kept dry.

SAFETY
Refer to the current product-specific Safety Data Sheet (SDS) for information on safe handling, storage, personal protection and disposal.