AQUABOND
Chemistry for Tomorrow

Summary Technical Data Sheet

Sodium Hypophosphite 50% Soln.

Product Name: Sodium Hypophosphite 50% Soln.

Synonym: Sodium phosphenite 50%

CAS Number: 10039-56-2

Formula: $NaH_2PO_2 \cdot H_2O$

Appearance: clear liquid

Odour: odourless

Specific Gravity: 1.25 – 1.35

Product Specifications

$NaH_2PO_2 \cdot H_2O$ salt	5.67 lb per gallon
Sodium	660 – 700 g/L
Hypophosphite pH	6.0 – 8.0
Calcium	< 50 ppm
Heavy Metals	< 5 ppm
Specific Gravity	1.25 – 1.35 SG

Sodium Hypophosphite 50% Soln. is a high purity Sodium Hypophosphite solution and a clear colorless liquid, which is an effective reducing agent and antioxidant. It is used in the surface finishing industry for electroless nickel plating (Ni-P), which has the benefits of uniform plating thickness on metal objects, ceramics, and plastics. Sodium Hypophosphite is an efficient reducing agent that reduces nickel ions in solution to metallic nickel on metal substrates and other substrates, including plastic.

Sodium Hypophosphite is also used as a catalyst for polymerization reactions and in the fiber glass industry. It acts as a stabilizer for polymers during thermal processing and extrusion. Sodium Hyposphosphite is a source of electrons used for resin regeneration of Ion Exchange Resins.

Storage and Handling: Keep containers tightly closed in a cool, dark, ventilated place. Store separately from oxidizing agents.

Packaging: 18.93 L UN Tighthead, 208 L Drum, 1040 L Tote

Transport Regulations: Not regulated as dangerous goods (for reference only).

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.
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