



Sodium Perborate Tetrahydrate

PRODUCT DESCRIPTION

Sodium Perborate is manufactured by reaction of Sodium Tetraborate, Hydrogen Peroxide, and Sodium Hydroxide. Sodium Perborate Tetrahydrate is an important ingredient in many household laundry detergent powders, laundry bleach additive products and automatic machine dishwash powders. Unlike Sodium Percarbonate and Sodium Perphosphate, Perborate is not just an addition compound of Peroxide, but contains true Peroxygen bonds. Sodium Perborate Tetrahydrate has good storage stability when blended with many ingredients of formulated products, for use in temperate climates.

APPLICATIONS

Sodium Perborate Tetrahydrate is similar to Sodium Percarbonate as a famous oxygen bleach agent. It offers many of the functional benefits as liquid Hydrogen Peroxide in a stable solid form. It's oxidative power improves the cleaning, bleaching, stain removal and deodorizing performance of powder detergent formulations, all fabric dry bleaches, denture cleaners, automatic dishwasher detergents and various institutional and industrial laundry products.

COMPOSITION

Chemical Name	Sodium Perborate Tetrahydrate
Synonyms	Sodium Peroxyborate, Sodium Peroxoborate, PB4
CAS No.	10486-00-7
Chemical Formula	$\text{NaBSO}_3 \cdot 4 \text{H}_2\text{O}$
Molecular Weight	153.86

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TECHNICAL DATA

Parameter	Units	Standard Specifications
Active Oxygen	%	Min. 10.0
Bulk Density	g/L	730 - 900
Particle size distribution on 0.85 mm DIN	%	≤ 3.0
through 0.15 mm DIN	%	≤ 10.0
pH Value		9.5 - 10.5
Appearance		White granular solid, free-flowing

STORAGE

Store in a cool, well-ventilated area away from all sources of ignition and out of direct sunlight. Store in a dry location away from heat and temperatures less than 40°C.

PACKAGING

1000 kg big bag / 25 kg bag.

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