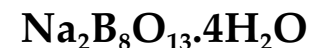




PRODUCT INFO  
& DATASHEET

## SICO-SOLBOR B21

Soluble Boron 21% Disodium Octaborate Tetrahydrate (DOT)



Made in Argentina.

18/05/2017

### 1. PRODUCT DESCRIPTION

SICO-SOLBOR B21 is multi-functional product with general applications in both industrial and consumer products. It is a mild alkaline salt consisting of a fine white powder that is readily soluble in water. SICO-SOLBOR B21 dissolves even in cold water, with the maximum possible dispersion and solubility in order to obtain supersaturated solutions with high boron concentrations. As such, it has a number of different uses in agro-industrial markets, in addition to its long established role in farm sprays. Production in a modern spray dryer plant, entirely built in 316L stainless steel, guarantees high purity and no product contamination.

### 2. PRODUCT SPECIFICATIONS

B2O3	67.5% Min.	Mesh size ASTM N°80	= 2% retained
Na2O	15.0% Min.	Bulk Density	0.60 ton/m <sup>3</sup>
H2O	17.5% Max.	Molecular Weight	412.52
Purity like B element	21.0 % Min.	pH	= 8.5 (1% by weight in solution at 22°C)
Na2B8O13.4H2O	99.5 % Min.	pH	= 7.3 (15% by weight in solution at 22 °C)

### 3. SUPERIOR QUALITY

Solubility in water : The small particle size of SICO-SOLBOR B21 has inherently high solubility, even at low temperatures. It gives rapid solubility properties even under the most demanding conditions.

### 4. APPLICATIONS AND BENEFITS

#### • Fertilizer

Plant growth regulator. Foliar applications due to boron deficiencies. Coating of finished solid fertilisers. Formulate high performance liquids containing either boron alone or a combination of nutrients for spraying, "fertigation" or irrigation.

#### • Correcting Boron Deficiency

In solid or liquid fertilizers, to the seedbed in annual crops or under the foliar canopy of perennial crops. Perennial and annual crops can also be sprayed with boron containing solutions These are normally tank mixed with other micronutrients or with agrochemical products.

#### • Wood Protection

Flame proofing. Prevent wood decay from microbial attack.

#### • Industrial

Isolation / Flame retardant / Corrosion Inhibition.

#### • Pesticide

Fungicide. Fungi protection. Target ants, cockroaches, crickets, silverfish, earwigs, flies, millipedes, centipedes, mold and mildew.

#### • pH Adjustment

An acidic or basic substance used to alter the acidity (pH) of a solution or product.

#### • Soap/Surfactant

Compounds that have surfactant or detergent properties.

#### • Solvent

Inclusion in multi-element soluble powder formulations for spraying on farm. The amorphous particles of SICO-SOLBOR B21 facilitate rapid wetting and incorporation in water and move viscous liquids even at low temperatures.

#### • Defoliant

Kill leaves on broad leaf plants. Commonly used in cotton.

#### • Minimal Crystallisation Effect

SICO-SOLBOR B21 causes minimum changes to crystallization temperatures or density of formulation.

#### • Rapid Dispersion

The amorphous particles of SICO-SOLBOR B21 facilitate rapid wetting and incorporation in water and more viscous liquids, even at low temperatures.

**5. PACKING** : available in 25kg polypropylene bags and in bulk bags of 680.40 kg.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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