

Chemiebor™ 11-S

▶ BACKGROUND

In many countries Borax, i.e. Borax Decahydrate (Boron 11%) is commonly used and is still the most preferred source of Boron for soil application. However, in most countries, Borax is only available in powder or in crystalline form. The main limitation of this physical form is the handling loss during transportation and at the time of application. Borax in powder / crystalline form gets easily leached from the top layer of soil resulting in loss of precious nutrients.

Keeping the above problems in mind and given the fact that farmers have been using Borax for many years, its an uphill task to convince them to switch to other sources of boron in granular form.

CHEMIEBOR™ 11S is a granular boron micronutrient containing 11% Boron (as B). The main constituent of **CHEMIEBOR™ 11S** is Di Sodium Tetraborate Decahydrate. **CHEMIEBOR™ 11S**, being in granule form reduces handling loss, breakage & can be applied evenly throughout the field using broadcasting application method.

▶ APPLICATION AND BENEFITS

CHEMIEBOR™ 11S is applied directly as a basal fertilizer in the soil or blended with commonly used bulk granulated Phosphatic and Nitrogenous fertilizers. The main advantage of **CHEMIEBOR™ 11S** is, it acts as a time-release capsule, allowing B nutrient to flow out over time, rather than flooding the plants with excess B as in case of highly soluble B-fertilizers.

As compared to Chemiebor 11, **CHEMIEBOR™ 11S** reduces handling loss at the time of broadcasting application in a large field. It is readily soluble into soil water and available for plant uptake. Granular form ensures controlled release and long-term effect throughout the growing season.

CHEMIEBOR™ 11S resists breakage and reduces losses during normal storage, transport and handling.



► GENERAL INFORMATION

Product Name	CHEMIEBOR™ 11S
Chemical Name	Borax Decahydrate, Borax 10 Mol, Di Sodium Tetraborate Decahydrate
Chemical Formula	Na ₂ B ₄ O ₇ · 10 H ₂ O
CAS No	1303-96-4

► PHYSICAL PROPERTIES

Molecular Weight	381.35
Appearance	Transparent Granules
Bulk Density	0.90 gm / cc
Particle Size	1.4mm – 5mm, 95% Min

► CHEMICAL PROPERTIES

Boron Content (As B)	10.5% Min
Na ₂ O	16.25 % Typical
Matter Insoluble in Water	1.0% Max

► PACKAGING

25 Kg PP Bags with Inner Liner.

*All data above are determined by Raj Borax Private Ltd analytical methods.

NOTICE:

Before using these products, please read the Product Specifications, the Safety Data Sheets and any other applicable product literature. The descriptions of potential uses for these products are provided only by way of example. The products are not intended or recommended for any unlawful or prohibited use including, without limitation, any use that would constitute infringement of any applicable patents. Nor is it intended or recommended that the products be used for any described purposes without verification by the user of the products' safety and efficacy for such purposes, as well as ensuring compliance with all applicable laws, regulations and registration requirements. Suggestions for use of these products are based on data believed to be reliable. The seller shall have no liability resulting from misuse of the products and provides no guarantee, whether expressed or implied, as to the results obtained if the products are not used in accordance with directions or safe practices. The buyer assumes all responsibility, including any injury or damage, resulting from misuse of the product, whether used alone or in combination with other materials. THE SELLER MAKES NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE SELLER SHALL HAVE NO LIABILITY FOR CONSEQUENTIAL DAMAGES.



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leading innovation in boron



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