

# Boric Acid Market by Purity (

## Abstracts

### Market Overview:

The global boric acid market size reached US\$ 845 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,178 Million by 2028, exhibiting a growth rate (CAGR) of 5.5% during 2023-2028. The increasing product utilization in the pharmaceutical industry, the widespread product adoption for manufacturing fiberglass, and extensive research and development (R&D) activities represent some of the key factors driving the market.

Boric acid  $B(OH)_3$  is a colorless or white crystalline compound that occurs naturally or is produced artificially from borax. It is also known as acidum boricum, hydrogen borate, boracic acid, and orthoboric acid. It is soluble in water and does not have any characteristic odor. Boric acid yields various borate anions and salts and can react with alcohols to form borate esters. It is widely used in many chemical products as an antiseptic, insecticide, flame retardant, neutron absorber, or precursor. It is also used to manufacture cosmetics, cement, pottery, enamels, glazes, and artificial gems and in tanning, printing, dyeing, painting, and photography. It is a weak acid that exhibits antiviral, antifungal, and antiseptic properties. As a result, boric acid finds extensive applications across the pharmaceuticals, agricultural, chemical processing, building and construction industries.

### Boric Acid Market Trends:

The increasing product demand in the pharmaceutical industry across the globe is one of the key factors driving the market growth. Boric acid is used in treating vaginal yeast infections and ear infections in animals and humans due to its antibacterial and antifungal properties. In line with this, the widespread product utilization for external applications, including eye disinfectants, contact lens solutions, anti-aging preparations, and baby powders, is acting as another growth-inducing factor. Moreover, the increasing application of boric acid in agricultural chemicals as well as in coal-fired power plants, as it is an essential ingredient in pesticides used against spiders, mites, and algae, is favoring the market growth. Apart from this, the introduction of new advanced methods that helps in producing boric acid without any harmful waste material and offers an alternative process to commercial production methods is providing an impetus to the market growth. Additionally, the increasing product utilization in manufacturing fiberglass and specialty glass, as it offers chemical and heat

resistance, transparency, and brightness to glass and assists in reducing melting point, viscosity, and increasing breakage index, is facilitating the market growth. Furthermore, the widespread product adoption as a nutritional supplement and fortifying agent in processed food is positively influencing the market growth. Other factors, including significant growth in the construction industry, increasing agricultural activities and extensive research and development (R&D) activities, are anticipated to drive the market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global boric acid market, along with forecasts at the global, regional, and country level from 2023-2028. Our report has categorized the market based on purity, application, distribution channel, and end user.

#### Purity Insights:

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