

# High quality, high reliability, high performance borates

For more than a century, U.S. Borax has been mining, refining, and transforming boron into products that are essential to modern living. Our scientists and technical experts continually study, develop, and support new and better ways to put boron and borates to work.

## Ammonium Pentaborate

Whether inhibiting heat, flame, or corrosion, the purity of this alkaline salt makes it an excellent choice.



## Borax Decahydrate

From detergents to dyes to adhesives, this mild alkaline salt does it all, particularly excelling as a buffering and fluxing agent.



## Boric Oxide

Pure anhydrous form is ideal where boric acid is required without metals. A powerful tool in the production of specialty glasses, ceramics, enamels, and fluxes.



## Borogard® ZB

Protect wood and wood composites from destroying organisms, rot decay fungi, and subterranean termites.



## Dehybor®

This hard, glassy, granular product is excellent when forming flux or glass, where it helps to increase yield and reduce energy consumption.



## Firebrake® 500

Anhydrous zinc borate that has numerous applications as a fire retardant and is stable up to 600°C.



## Firebrake® ZB

Unique zinc borate combines the best of zinc and boron oxides with water release. Use it to develop fire-retardant formulations processable up to 290°C.



## Neobor®

With lower transportation, handling, and storage costs, this concentrated sodium borate is used in glass, fiberglass, cleaning products, and flame retardants.



## Optibor®

From reducing melting temperatures in fiberglass production to inhibiting corrosion in fuel additives, *Optibor* has a multitude of uses in numerous industries.



## Polybor®

*Polybor* earns its spot in industrial cleaning compounds, fire retardants, and the manufacture of water-treatment chemicals.



## Potassium Pentaborate

Unique capabilities make it ideal for the automotive industry, where its addition to gear lubricants improve load-carrying capacity and wear protection.



## Potassium Tetraborate

An excellent buffering agent, potassium tetraborate can lower the pH of strong alkalis and is also used in welding, soldering, and brazing fluxes.



## Sodium Metaborate

Provides increased viscosity, quicker tack, and better fluidity in starch and dextrin adhesives. Helps stabilize hydrogen peroxide solutions and neutralize acidic oxidation by-products in textile processing.



## Sodium Pentaborate

Used primarily in oilfield drilling, sodium pentaborate provides lubrication and stabilization in wells and downhole drilling.



## Tim-bor®

This industrial, high-performance wood preservative is ideal for protecting rafters, cladding, and joinery against insects and decay.

