U.S. Borax Industrial Product Grades

U.S. Borax offers a variety of products for your borates needs. Various manufacturing processes require different particle sizes and purity levels. We have developed a grade to meet your specific needs.

This chart is meant as a framework to begin discussion with a U.S. Borax regional sales manager or technical support representative. Contact us for guaranteed particle size and product composition.

20 MULE TEAM BORAX™
RioTinto

Grade*	Definition
	Particle Size Terminology
Granular	The primary size for many of our products, suitable for multiple manufacturing processes.
Fine	A smaller particle size than our Granular grade. This grade is primarily used when a granular form could create issues in the end use or during applications. For example, in some antiseptic creams, intumescent coatings, and insulation fiberglass.
XF / EF	**Extra Fine:** Listed as XF or EF on the product label.
Mesh	Some products are defined by the size of the mesh. Common mesh sizes include 4-mesh, 6-mesh, 12-mesh, 30-mesh, 60-mesh, and 200-mesh. The higher the number, the smaller the particles.
Powder	A smaller particle size than our Granular grade, includes Fine, XF grades, and 200-mesh depending upon product and application. Your regional sales manager or technical support representative can provide more information.
TG	**Technical Granular:** The primary size for many of our products. Suitable for multiple manufacturing processes.
TP	**Technical Powder:** A finer particle size than our Technical Granular (TG) grade, includes Fine and XF grades. Typically used when faster dissolution is needed but can provide other benefits.
	Subseries Denoting Purity
EP	**European Pharmacopeia:** Available in both granular and powder. These high-purity grades conform to all requirements of the European Pharmacopeia for the preparation of pharmaceutical products in the European Union and United Kingdom. EP grades are available in Excipient and GMP forms: • GMP or Active Pharmaceutical Ingredient (API): Any substance or mixture of substances intended for use in the manufacture of a medicament and which, when used in the production of a drug, becomes an active ingredient of the drug. Such substances are intended to provide pharmacological activity or other direct effect for the diagnosis, cure, treatment, alleviation, or prevention of disease, or to have an effect on the structure and function of the body. • Excipient: Any component of a finished pharmaceutical form other than the active principle can, in practice, be considered as an excipient; inactive form. The function of the excipient is to improve the appearance or taste, ensure preservation, to facilitate the shaping and the administration of the medicament. Listed as EP Granular or EP Powder on the product label. For differentiation, both forms are clearly stipulated on specific Certificates of Analysis and EP grade specifications data sheets: • GMP: Manufactured in full compliance to ICH-Q7 GMP guidelines, covered by CEP certificate, suitable for API applications • Excipient: Suitable for non-API applications
HP	**High Purity:** A specific grade of Optibor® boric acid and only available in granular. This high-purity grade is used in nuclear power stations in Europe and the United Kingdom. May also be used in electrolytic capacitors.
NF	**National Formulary:** Available in both granular and powder. These high-purity grades conform to all requirements of the US Pharmacopeia for the preparation of pharmaceutical products in the United States. Can also be used in cosmetic manufacturing. Listed as NF Granular or NF Powder on the product label.
SP	**Special Purity:** Available in both granular and powder. This is a higher purity product. Listed as SP Granular or SP Powder on the product label.
SQ	**Special Quality:** These high-purity grades are used in nuclear power stations in the United States. May also be used in electrolytic capacitors. Listed as SQ Granular on the product label.
	Additional Formulations
Liquid	Used for all of our products that are delivered in liquid or liquid suspension form.
MG	**Manufacturing Grade:** Available in both granular and powder. Typically used in biocidal applications. Listed as MG Granular or MG Powder on the product label.

*Not all products are available in all grades or subseries.

A high-quality, U.S. Borax product for your industrial application

- Ammonium Pentaborate
- Borax Decahydrate
- Boric Oxide
- Borogard® ZB
- Dehybor®
- Firebrake® 500
- Firebrake® ZB
- Neobor®
- Optibor®
- Polybor®
- Potassium Pentaborate
- Potassium Tetraborate
- Sodium Metaborate
- Sodium Pentaborate
- Tim-bor®

Contact a regional sales manager or technical support team member to find out which product will work best for you.