



Chemicals and Minerals Product Catalogue



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1. Boron Products Section

This section offers the full range of boron products from Borax Argentina, suitable for various industries such as agriculture, glass manufacturing, metallurgy, and ceramics.

Boron Product List and Details

Boric Acid (H_3BO_3)

Used in ceramics, fiberglass, wood protection, borosilicate glass, insulation, metallurgy, fire retardants, corrosion inhibitors, and agriculture. It enhances the thermal and chemical resistance of borosilicate glass, corrects boron deficiencies in soil for better plant growth, and provides fireproofing in materials. Its high purity and low contamination make it ideal for precision industries.



Borax Decahydrate ($Na_2B_4O_7 \cdot 10H_2O$)



It provides boron for plant growth and acts as a fungicide. In ceramics, it helps lower melting points and improve durability. It boosts cleaning power, softens water, and removes stains, in detergents. In glass production, it enhances transparency, durability, and chemical resistance. In fiberglass, it strengthens fibers and improves insulation.

Borax Pentahydrate ($Na_2B_4O_7 \cdot 5H_2O$)

It is widely used as a pH buffer and water softener. It improves cleaning performance in detergents by stabilizing pH and enhancing surfactant efficiency. In metallurgy, it acts as a flux, helping to clean and purify metals during welding, brazing, and soldering. In agriculture, it corrects boron deficiencies in soil, promoting healthier crops and improving yields, particularly for sensitive plants.





Anhydrous Borax ($\text{Na}_2\text{B}_4\text{O}_7$)

Applications: High-temperature stability makes it ideal for advanced glass and metallurgical applications.

Specifications: Boron content $\geq 21\%$, water-insoluble.

Packaging: 25 kg bags, bulk.

Colemanite (Hydroboracit) ($\text{Ca}_2\text{B}_6\text{O}_{11} \cdot 5\text{H}_2\text{O}$)

Applications: Utilized as a boron source in ceramics and as a slow-release fertilizer.

Specifications: 36-40% boron, commonly used in ceramic glazes.

Packaging: 25 kg bags, 1-ton jumbo bags.



AduBor (Sodium Borate, $\text{Na}_2\text{B}_8\text{O}_{13} \cdot 4\text{H}_2\text{O}$)

Applications: Boron fertilizer, essential for soil health and plant growth.

Specifications: Slow-release boron, stable for various soil conditions.

Packaging: 25 kg bags.

GranUlexite ($\text{NaCaB}_5\text{O}_9 \cdot 8\text{H}_2\text{O}$)

Applications: Ideal for agriculture, as it gradually releases boron, reducing soil leaching.

Specifications: Granular form, boron content tailored for agricultural applications.

Packaging: 25 kg bags.

2. Mikem Specialty Chemicals Section

Mikem provides a wide range of advanced materials, particularly MELACOLL cellulose ethers and other specialty additives, used in industries such as construction, pharmaceuticals, and personal care.

MIKEM and MELACOLL Product List and Details

MELACOLL Cellulose Ethers

Hydroxypropyl Methylcellulose (HPMC)

HPMC is water-soluble, non-ionic polymer that is commonly used as a thickener and water retention agent in a variety of applications. Multiple grades and tailored formulation are available to suit various industrial needs.



Hydroxyethyl Methylcellulose (HEMC)

HEMC or **MHEC** is a non-ionic cellulose ether used as a thickener and water retaining agent in construction industries, offering various grades and tailored formulations to meet various industrial needs.



Hydroxyethyl Cellulose (HEC)

HEC is a nonionic, water-soluble polymer with good water retention, thickening, suspension properties, HEC offers functional properties and enhance product performance in emulsion-based building materials.



Redispersible Polymer Powder (RDP)

RDP is a water-soluble white powder used to enhance product performance in many construction applications like tile adhesive, mortars, EIFS, and cement plaster, available in rigid and flexible grades.



MIKEM and MELACOLL Product List and Details

Polycarboxylate Ether Superplasticizer (PCE SP630)

Applications: Reduces water content in concrete, improves strength and flowability.

Specifications: High water reduction, used in self-compacting and high-strength concrete.

Packaging: 20 kg containers (powder), 1000-liter IBC tanks (liquid).

Polyvinyl Alcohol (PVA)

Applications: Used as a binder and adhesive in construction, textiles, and paper products.

Specifications: Available in various viscosity and hydrolysis grades.

Packaging: 25 kg bags.

Defoamer (P805)

Applications: Used in paints, coatings, and concrete to reduce foam.

Specifications: Highly efficient, compatible with various systems.

Packaging: 5 kg and 20 kg drums.

Gypsum Retarder (for Dental Applications)

Applications: Used in dental gypsum products to control setting time.

Specifications: Maintains workability, suitable for high-quality dental applications.

Packaging: 5 kg bags.

Silicone Hydrophobic Powder (MSH60)

Applications: Water repellent in construction, increases material durability.

Specifications: High-performance hydrophobic agent.

Packaging: 20 kg bags.

Gypsum Retarder (P100)

Applications: Controls setting time in gypsum plasters and products.

Specifications: Extended workability without compromising strength.

Packaging: 25 kg bags.

3. Detailed Sections

• Water Treatment Chemicals

Products designed to purify water, manage pH levels, and treat industrial waste for safe disposal.

Key Products and Details

Aluminum Sulfate

Coagulation agent used to clarify water by removing impurities.

Applications: Drinking water treatment, wastewater treatment, paper manufacturing.

Specifications: Available in granules and powder, highly soluble in water.

Packaging: 25 kg bags, bulk packaging available on request.

Calcium Carbonate

Natural mineral used to neutralize acidity in water and adjust pH.

Applications: Drinking water treatment, industrial water filtration, acid-neutralizing agent.

Specifications: Available in various grades (food, industrial), particle size options.

Packaging: 25 kg bags, 1-ton jumbo bags.

Sodium Bicarbonate

Alkalinity agent used to balance water pH.

Applications: Wastewater treatment, acid neutralization.

Specifications: Highly soluble.

Packaging: 25 kg bags, 50 kg drums.

Hydrogen Peroxide

Oxidizing agent for disinfection and organic compound breakdown.

Applications: Drinking water and wastewater treatment, odor control.

Specifications: Various concentrations.

Packaging: 30-liter drums, 250-liter totes, and bulk.

• Glass and Ceramics Chemicals

Raw materials that enhance the strength, transparency, and thermal resistance of glass and ceramic products.

Boron Minerals

Lowers melting temperature, enhances glass strength.

uses: Glass manufacturing, ceramics, high-temperature insulation.

Specifications: Available in powder and granular forms.

Potassium Carbonate

Improves gloss and reduces firing temperatures in ceramics.

uses: Ceramics, glass production, chemical synthesis.

Silica (Quartz)

Adds strength and thermal stability.

Uses: Tiles, glass, glazes.

Alumina

Increases hardness and wear resistance.

Uses: High-quality tiles, electrical ceramics.

Calcium Carbonate

Flux material improving melting properties.

Uses: Glazes, tiles, sanitary ware.

Kaolin

Improves whiteness and plasticity.

Uses: Tiles, sanitary ware, porcelain.

Zircon

Enhances whiteness and durability.

Uses: Glazes, tiles, sanitary ware.

Feldspar (potassium/sodium)

Flux material that reduces melting temperatures in glass and ceramic glazes.

uses: Ceramic tiles, sanitary ware, tableware.

Ball Clay

Provides strength and workability.

Uses: Sanitary ware, tiles, tableware.

Packaging: 25 kg bags, bulk, Big Bags.

• Industrial Cleaning and Detergents

Chemical agents for pH balancing, cleaning, and enhancing surfactant performance in detergents.

Caustic Soda (Sodium Hydroxide)

Strong alkaline agent for removing grease, oils, and adjusting pH.

uses: Industrial cleaning, soap production, pH adjustment in chemical processes.

Packaging: 25 kg bags, 1-ton bulk containers (Available in flakes and pearls).

Sodium Metabisulfite

Reducing agent and preservative, also used for pH adjustment, Highly soluble.

uses: Textile processing, water treatment, dechlorination in swimming pools.

Packaging: 25 kg bags.

Soda Ash (Sodium Carbonate)

pH regulator and water softener.

uses: Detergent manufacturing, water treatment, glass production.

Specifications: Dense and light grades.

Packaging: 25 kg bags, bulk shipments.

Sodium Lauryl Sulfate (SLS)

uses: High-foaming detergent and surfactant for shampoos, hand soaps, and household cleaners.

Linear Alkylbenzene Sulfonate (LABS) 96%/90%

uses: Primary surfactant for laundry detergents, dishwashing liquids, and all-purpose cleaners.

Sodium Lauryl Ether Sulfate (SLES)

uses: Mild surfactant for personal care products, dishwashing liquids, and hand soaps.

Packaging: New 250 kgs drums palletized / 1050 kgs IBC Tanks

• Construction and Paint Chemicals

Chemicals that enhance durability, color retention, and surface finish in construction materials and paints.

Calcium Carbonate

Filler that improves paint brightness and consistency.

Applications: Paints, coatings, adhesives, plastics.

Specifications: Particle sizes: upon request.

Packaging: 25 kg bags, 1-ton bulk bags.

Calcium Formate

Improves curing speed in concrete applications and acts as a setting retarder.

Applications: Cement additives, tile adhesives, animal feed additive.

Packaging: 25 kg bags.

Calcium Chloride (CaCl_2)

Applications: De-icing agent, concrete accelerator, and dust control in construction.

Specifications: Available in granular and flake forms.

Packaging: 25 kg bags, bulk.

Hydrated Lime (Calcium Hydroxide, Ca(OH)_2)

Applications: Commonly used in mortars, plasters, and as a pH stabilizer.

Specifications: Available in powder form.

Packaging: 25 kg bags.

Sodium Gluconate

Concrete additive that enhances workability and reduces water content.

Applications: Concrete admixtures, cement-based materials.

Packaging: 25 kg bags, bulk shipments.

Titanium Dioxide

White pigment that improves opacity and brightness in paints.

Applications: Paints, coatings, plastics, rubber.

Specifications: Available in rutile and anatase forms.

Packaging: 25 kg bags.

SBS (Styrene-Butadiene-Styrene)

A thermoplastic elastomer used for its durability, flexibility, and adhesion properties.

Applications: Roofing membranes, asphalt modification, adhesives, sealants.

Specifications: High elasticity, available in pellet and powder forms.

Packaging: 25 kg bags, bulk packaging available.

• Food and Beverage Additives

Safe, high-purity additives that improve food quality, shelf-life, and consistency.

Sugar and Derivatives

Glucose Powder & Syrup / Dextrose: Sweeteners and energy sources commonly used in food, beverages, and sports nutrition.

Fructose: Natural sweetener used in beverages and processed foods.

Maltodextrin: Thickening agent and energy source in snacks and sports drinks.

Antioxidants

Citric Acid (Monohydrate/Anhydrous): Natural acidulant and preservative, essential for flavor enhancement.

Ascorbic Acid: Acidulants and antioxidants in beverages, fruits, and processed foods.

Thickeners

CMC (Carboxymethyl Cellulose): Thickening and stabilizing agent in sauces, dairy products, and various food applications.

Glycerine 99.5% USP: Humectant and sweetener in food and personal care products.

Preservatives

Potassium Sorbate / Sodium Metabisulfite: Preservatives in dairy products, baked goods, dried fruits, and beverages.

Calcium Carbonate : Used as a calcium supplement and pH stabilizer in dairy, baking, canned foods.
Specifications: Food-grade, particle size options.

Sodium Citrate: Flavoring agent and acidity regulator in beverages and processed foods.

• Agricultural Chemicals

Fertilizers and soil conditioners that enhance soil nutrient content and crop yield.

Key Products and Details

Copper Sulfate

Fungicide and soil conditioner.

Applications: Soil amendment, foliar sprays for crop protection.

Packaging: 25 kg bags.

Phosphoric Acid

Soil pH stabilizer and fertilizer ingredient.

Applications: Fertilizer manufacturing, direct soil application.

Specifications: Food-grade and industrial-grade available.

Packaging: 30-liter drums, 250-liter totes, bulk tanks.

Granular Fertilizers

Urea (46-0-0)

High nitrogen source for soil nitrogen enrichment.

Applications: Broad-spectrum fertilizer for various crops.

Specifications: Granular and prilled forms.

Packaging: 25 kg, 50 kg bags, and bulk.

Ammonium Sulfate (21-0-0)

Source of nitrogen and sulfur, promotes soil acidification.

Applications: Soil amendment, fertilizer for acidic-loving plants.

Packaging: 25 kg bags, 1-ton jumbo bags.

NPK Blends (eg.15-15-15)

Balanced nutrient formulations for broad-spectrum crop nutrition.

Applications: Used for general crop health, available in specific ratios based on crop needs.

Packaging: 25 kg bags.

Water-Soluble Fertilizers

Potassium Nitrate (13-0-46)

Nitrogen and potassium source, encourages flowering and fruiting.

Applications: Foliar spray, fertigation, drip irrigation.

Packaging: 25 kg bags.

Calcium Nitrate

Essential for strong plant cell walls and prevents calcium deficiencies.

Applications: Fruit and vegetable crops to improve fruit quality and shelf-life.

Packaging: 25 kg bags, bulk options.

Mono Potassium Phosphate (MKP 0-52-34)

Phosphorus and potassium source, ideal for flowering.

Applications: Foliar sprays, hydroponics, soil drenching.

Packaging: 25 kg bags.

Micronutrients and Specialty Fertilizers

Zinc Sulfate

Corrects zinc deficiencies in soils, essential for enzymatic activity in plants.

Applications: Foliar sprays, soil application, seed treatment.

Copper Sulfate

Used for fungicidal purposes and copper supplementation.

Applications: Soil and foliar applications in cereals, fruits, and vegetables.

Boron (Borax)

Vital for cell wall formation and reproductive development in plants.

Applications: Soil amendment, fertigation, foliar sprays.

Specifications: Boric acid and borax forms.

Packaging: 25 kg bags.

Biostimulants and Organic Fertilizers

Humic and Fulvic Acids

Organic soil amendments that improve soil structure and increase nutrient uptake.

Applications: Used in soil conditioners, fertigation systems, and foliar sprays.

Packaging: 1L, 5L, 20L containers.

Seaweed Extract

Natural growth stimulant that promotes root development and enhances stress tolerance.

Applications: Foliar applications, seed treatment, soil conditioner.

Packaging: 1L, 5L containers.

Magnesium Oxide (MgO)

Applications: Soil pH amendment, essential in animal feed and fertilizers.

Specifications: Available in powder and granular forms.

Packaging: 25 kg bags, bulk.

Chelated Micronutrients (e.g., EDTA Zinc, Iron, Copper)

Applications: Foliar and soil application to improve nutrient availability in crops.

Specifications: Available in various chelated forms (EDTA, DTPA).

Packaging: 1 kg and 25 kg bags.

Potassium Sulfate (K_2SO_4)

Applications: High-potassium fertilizer, ideal for crops sensitive to chloride.

Specifications: Low chlorine.

Packaging: 25 kg bags.

Ferrous Sulfate (Iron (II) Sulfate)

Applications: Used as a soil conditioner to treat iron chlorosis in plants.

Specifications: Available in granular or powder form.

Packaging: 25 kg bags.

Organic and Specialty Fertilizers

Fish Emulsion

Organic fertilizer rich in nitrogen, promotes vigorous plant growth.

Applications: Ideal for vegetables, flowers, and fruit-bearing plants.

Packaging: 1L, 5L.

Mycorrhizal Inoculants

Beneficial fungi that enhance root development and nutrient uptake.

Applications: Soil application, beneficial for trees, shrubs, and crops.

Specifications: Concentrated spores in powder or granular forms.

Packaging: 1 kg, 5 kg bags.

• Polymer Chemicals

SBS (Styrene-Butadiene-Styrene)

Used for its flexibility and durability in various industrial applications.

Applications: Roofing membranes, footwear, adhesives.

Specifications: Available in granular and powder forms.

Packaging: 25 kg bags.

Polyvinyl Alcohol (PVA)

Water-soluble synthetic polymer used as an adhesive and film former.

Applications: Adhesives, textile sizing, paper coatings.

Specifications: Various viscosity grades.

Packaging: 25 kg bags.

• Other Specialty Chemicals

Sodium Metabisulfite

Preservative and reducing agent commonly used in the food and beverage industry.

Applications: Food preservative, leather processing, chemical synthesis.

Packaging: 25 kg bags.

Barium Carbonate

Used as a fluxing agent and stabilizer in ceramics and glass.

Applications: Ceramics, glass, brick manufacturing.

Packaging: 25 kg bags.



• Oilfield and Drilling Chemicals

Bentonite

Drilling mud additive used for its viscosity and filtration properties.

Applications: Oil and gas drilling, construction.

Barite

Increases the density of drilling fluids for oil and gas exploration.

Applications: Oil and gas drilling, radiation shielding.

Packaging: 25 kg bags, bulk options.

• pH Adjusters and Solvents

Acetic Acid

Solvent and acidulant, widely used in industrial and food-grade applications.

Applications: Chemical synthesis, food processing, textile manufacturing.

Packaging: 25 kg drums, bulk tanks.

Isopropyl Alcohol (IPA)

Solvent for cleaning and disinfection.

Applications: Electronics, cosmetics, pharmaceuticals.

Packaging: 1L, 5L, 20L containers.

• Industrial Processing and Oilfield Chemicals

Xanthan Gum

Applications: Used as a thickener and stabilizer in food, oil drilling, and cosmetics.

Specifications: Available as a white powder, soluble in water.

Sodium Lauryl Sulfate (SLS)

Applications: Surfactant in detergents, personal care, and pharmaceuticals.

Specifications: High purity, available as a powder.

Packaging: 25 kg bags

Ammonium Chloride (NH₄Cl)

Applications: Fertilizer, flux in metalworking, and in pharmaceuticals.

Specifications: Granular and powder forms.

Packaging: 25 kg bags.

Calcium Bromide (CaBr₂)

Applications: Used in drilling fluids for oil and gas exploration.

Specifications: High density.

Packaging: Drums, 250-liter totes.

Polyaluminium Chloride (PAC)

Applications: Coagulating agent in water treatment and paper manufacturing.

Specifications: Available in powder and liquid forms.

Packaging: 25 kg bags, 250-liter drums.

• Pharmaceutical and Personal Care Chemicals

Glycerin (C₃H₈O₃)

Applications: Common humectant and solvent in pharmaceuticals, cosmetics, and food.

Specifications: Pharmaceutical and food-grade purity.

Packaging: 250 kg drums, 1-ton totes.

Propylene Glycol (PG)

Applications: Solvent in food, pharmaceuticals, and personal care.

Specifications: USP/BP grade, high purity.

Packaging: 215 kg drums.

Sodium Citrate

Applications: Used as an anticoagulant in pharmaceuticals, and as a flavoring agent in food.

Packaging: 25 kg bags.

Isopropyl Myristate (IPM)

Applications: Emollient and binder in cosmetics and topical formulations.

Specifications: Cosmetic and pharmaceutical grade.

Packaging: 20 kg drums.

Citric Acid Monohydrate and Anhydrous

Applications: Acidulant in food, pharmaceuticals, and industrial uses.

Specifications: Food and pharma grade, available in anhydrous and monohydrate forms.

Packaging: 25 kg bags.

• Mining and Metallurgy Chemicals

Sodium Cyanide (NaCN)

Applications: Primarily used in gold mining for ore processing.

Specifications: Available in briquette form.

Packaging: 50 kg drums, bulk.

Sodium Hexametaphosphate (SHMP)

Applications: Used as a dispersing agent and water softener in mining and water treatment.

Specifications: High purity, soluble in water.

Packaging: 25 kg bags.

Sodium Nitrite (NaNO₂)

Applications: Involved in metal treatment and as a corrosion inhibitor.

Specifications: Available in powder form.

Packaging: 25 kg bags.



Contact Details



Amber Wave Trading Services LLC, P.O. BOX
124, Postal Code 122, Sultanate of Oman.



www.amber-wave.net



info@amber-wave.net



+968 2231 2538

