



A V CHEMICAL

MASTER PRODUCT CATALOGUE

Food Ingredients • Nutritional Proteins • Functional Sweeteners
Hydrocolloids • Food Preservatives • Specialty Inputs

Est. 2021 • Mumbai, India • Direct Global Importers & Nationwide Distributors



40+ Essential Products

Documented ingredients from verified manufacturers

Direct Global Sourcing

International logistics corridor into Mumbai Port (JNPT)

Pan-India Distribution

Warehousing and door delivery to manufacturing hubs

Verified CoA & SDS Dossiers

Batch-specific quality assurance and analytical compliance

Registered Firm: A V Chemical • GSTIN: 27ABVFA7475M1ZF

Corporate Hub: 901, Techno I.T. Park, Near Eksar Metro Station, New Link Road, Borivali (West), Mumbai - 400 092, Maharashtra

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Corporate Profile & Sourcing Framework

Direct Global Sourcing. Reliable Supply. Consistent Technical Support.

A V Chemical is a Mumbai-based importer and distributor supplying food ingredients, nutritional proteins, functional sweeteners, additives, and specialty inputs to manufacturers across India. Established in **2021**, the firm bridges international synthesis partners and Indian processors through structured container procurement, dependable logistics, and rigorous batch documentation.

1. Direct Global Procurement Corridor	2. Disciplined Two-Layer Specification Model
AV Chemical operates direct sourcing channels with audited manufacturing partners in international markets including Poland and China. Products are imported via ocean containers directly through Mumbai Port (JNPT), ensuring cost advantages, lot consistency, and transparent origin tracking.	We maintain commercial clarity: declared concentrations and mesh sizes provided in primary manufacturer documents (e.g. WPC 80% Instant, WPI 90%, CMC 5000, Lactose 100/200 mesh) are stated transparently. Detailed Certificates of Analysis (CoA) and Safety Data Sheets (SDS) are furnished upon formal request.
3. Pan-India Coordinated Logistics	4. Responsible Quality & Storage Assurance
From our central distribution nodes in Maharashtra, we coordinate multimodal transport serving processors across Gujarat, South India (Tamil Nadu, Karnataka, Telangana), North India (Delhi NCR, Punjab, UP), and East India. We support both pallet-scale and container-scale consignments.	Materials are stored in climate-appropriate, moisture-controlled warehouses with strict lot separation. Batch identification numbers on each bag/drum correspond exactly with analytical test certificates, ensuring zero compromise on shelf-life or ingredient integrity.

Enterprise Identification & Statutory Credentials

- **Operating Brand & Legal Entity:** A V CHEMICAL
- **Year of Establishment:** 2021 • **Constitution:** Partnership Enterprise
- **GSTIN:** 27ABVFA7475M1ZF (State Code 27 - Maharashtra)
- **Port of Clearance:** Nhava Sheva (JNPT) / Mumbai Port
- **Headquarters:** 901, Techno I.T. Park, Near Eksar Metro Station, New Link Road, Borivali West, Mumbai - 400 092
- **Communication Desks:** +91 73049 21327 • infoavchemical@gmail.com • info@avchemicals.in

Notice on Process Inputs & Solvents:

A V Chemical clearly differentiates food & nutritional ingredients from industrial process solvents. Products such as **Iso Propyl Alcohol (IPA)** and **Propylene Glycol** are catalogued under *Other Ingredients & Process Inputs* and supplied strictly for extraction, sanitization, carrier, or regulated technical applications. Batch Safety Data Sheets (SDS) are provided for safe handling.

Industry Applications Cross-Reference Matrix

Mapping A V Chemical Portfolio to End-Market Manufacturing Demands

Our portfolio serves 6 key manufacturing segments across India. This cross-reference matrix provides procurement and R&D teams with immediate visibility into ingredient applicability across formulations.

Product Category	Sports & Dietary	Food & Beverage	Dairy & Frozen	Bakery & Sweets	Ingredient Blends	Pharma / Tech
1. Proteins & Nutrition	Primary Core	Fortification	Ice Cream / Shakes	Protein Baking	Premix Blending	Clinical Foods
2. Acids & Additives	Electrolyte Buffers	Primary Acidulants	Acidity Control	Leavening / Flavor	Seasoning Blends	Effervescent Systems
3. Sweeteners & Carbs	Zero-Calorie Blends	Beverage Sweeteners	Freezing Point Control	Texture & Browning	Dry Mix Bulking	Tablet Excipients
4. Gums & Stabilizers	Shake Suspension	Sauce & Beverage Body	Anti-Syneresis	Gluten-Free Dough	Dry Stabilizers	Emulsion Stability
5. Preservatives & Salts	Supplement Stability	Juice & Drink Shelf-Life	Cheese Preservation	Mold Inhibition	Curing / Salting	Buffer Formulations
6. Other Ingredients & Inputs	BCAA / Amino Acids	Cocoa / Acidulants	Sodium Caseinate	Vital Wheat Gluten	Specialty Starches	IPA / Propylene Glycol*

Standard Commercial Procurement Protocol

1. Technical Specification Review: Share your target mesh size, assay purity, or declared concentration.
2. Lot-Specific Analytical Dossier: AV Chemical issues batch Certificates of Analysis (CoA) for evaluation.
3. Commercial Terms & Logistics: Spot pricing, forward contracts, and door-delivery schedules finalized.
4. Dispatch & Documentation: Consignments dispatched with GST e-way bills, test reports, and transport tracking.

Category 1 | Protein & Nutritional Ingredients

A V Chemical is a major supplier of dairy-derived and plant-based protein concentrates, isolates, and functional amino complexes supporting India's sports nutrition, active wellness, and dietary food industries.



Product Name	Declared Spec	Primary Function	Key Applications	Std Packing
WPC 80% Instant	80% Protein (Instantized)	Rapid dispersion, high solubility, muscle protein synthesis	Sports nutrition, protein shakes, meal replacement mixes	20 kg / 25 kg Bag
Whey Protein Isolate 90%	90% Protein (Ultra-filtered)	Ultra-low lactose & fat, premium clean taste profile	Clear RTD beverages, isolate shakes, clinical nutrition	20 kg / 25 kg Bag
Milk Protein 70% / 80%	70% & 80% Protein Spec	Heat stability, clean milky note, complete dairy casein/whey	High-protein dairy, meal bars, nutritional shakes	20 kg / 25 kg Bag
MPC	Concentrated Native Protein	Viscosity stabilization, water binding, dairy richness	Greek yogurt, specialty cheeses, recombined dairy foods	20 kg / 25 kg Bag
Isolate Soya Protein	High-Purity Soya Protein	Plant protein fortification, emulsification, gel structure	Plant-based meats, extruded snacks, health nutrition	20 kg / 25 kg Bag
Pea Protein 80%, 85%	80% & 85% Declared Purity	Hypoallergenic, vegan protein fortification, non-dairy	Vegan bars, clean-label powders, plant dairy beverages	20 kg / 25 kg Bag
Sweet Whey Powder	Spray-Dried Dairy Solids	Mild sweet dairy flavor, browning enhancement, solids bulk	Bakery, confectionery fillings, seasoning blends, ice cream	25 kg Bag
WPC (High Gel)	High Gelation Whey Protein	Thermal gelation, moisture retention, matrix formation	Formed meats, vegetarian sausages, textured dairy	20 kg / 25 kg Bag
WPC 35%	35% Whey Protein	Dairy solids replacement, economical protein enrichment	Baking premixes, soups, processed cheeses, frozen desserts	25 kg Bag
Vital Wheat Gluten 80%	80% Declared Protein	Extensibility, viscoelastic gluten mesh, crumb structure	Bakery flour fortification, pasta, meat analogs (seitan)	25 kg Bag
BCAA	2:1:1 / Instant Formula	Intra-workout recovery, anti-catabolic amino acid supply	Sports dietary supplements, recovery RTDs, amino sticks	25 kg Drum/Bag
Amino Acids	Selected Specification Types	Essential amino acid enrichment, specialized clinical nutrition	Nutraceutical formulation, dietetic powders, dietary tablets	25 kg Drum

* Note: Technical specifications, detailed Certificate of Analysis (CoA), and Material Safety Data Sheets (MSDS/SDS) are available on request for each product batch.

Category 2 | Food Acids & Functional Additives

Organic food-grade acidulants and functional buffering compounds engineered to balance tartness, preserve flavor profiles, regulate pH, and extend fresh-keeping quality across commercial food production.



Product Name	Commercial Grade	Primary Function	Key Applications	Std Packing
Citric Acid	Anhydrous & Monohydrate	Primary food acidulant, metal chelator, flavor enhancer, pH control	Beverages, fruit processing, confectionery, carbonated drinks	25 kg Kraft Bag
Acetic Acid	Glacial / Pure Spec	Sharp acidity, antimicrobial preservative, condiment acidification	Pickles, vinegar preparations, culinary sauces, food processing	30 kg Drum / Carboy
Lactic Acid	Liquid Acidulant Formulation	Mellow tartness, natural dairy acidulant, microbial inhibition	Dairy desserts, fermented foods, confectionery, brewery acids	25 kg / 250 kg Drum
Malic Acid	Pure Crystalline Acid	Smooth lingering fruit sourness, flavor blending, sweetener synergy	Hard boiled candies, cider beverages, fruit juices, chewables	25 kg Bag
GDL	Glucono Delta Lactone	Slow-release controlled acidification, leavening acid, tofu coagulant	Silken tofu curds, cured meat products, baking powder systems	25 kg Bag

* Note: Technical specifications, detailed Certificate of Analysis (CoA), and Material Safety Data Sheets (MSDS/SDS) are available on request for each product batch.

Category 3 | Sweeteners & Carbohydrates

A V Chemical provides intense zero-calorie sweeteners, nutritive polyols, prebiotic fibers, and functional carbohydrate matrices enabling sugar-reduction, caloric optimization, and confectionery texture engineering.



Product Name	Potency / Form	Primary Function	Key Applications	Std Packing
Sucralose	600x Sucrose Equivalent	Zero-calorie, high thermal stability, sugar-identical profile	Low-calorie drinks, tabletop sweeteners, baked goods, sports mixes	25 kg Fiber Drum
Aspartame	200x Sucrose Equivalent	Clean sweet taste, synergistic with acesulfame & polyols	Powdered beverage mixes, confectionery, sugar-free chewing gum	25 kg Drum/Carton
Neotame	7,000x - 13,000x Equivalent	Ultra-potent sweetening, excellent flavor modification, cost efficiency	Dairy beverages, baked goods, syrups, pharmaceutical liquids	1 kg / 25 kg Drum
Fructose Crystalline	High Purity Ketohexose	Fast sweetness release, humectancy, fruity flavor booster	Fruit beverages, nutritional bars, energy drinks, diabetic foods	25 kg Bag
Sorbitol	Liquid 70% & Powder Form	Non-cariogenic bulk sweetener, humectant, anti-crystallizer	Confectionery, dental formulations, baked goods, pet foods	300 kg Drum / 25kg Bag
Liquid Glucose	Various DE Ratings	Viscosity body, anti-crystallization, glossy texture builder	Candies, ice cream formulation, fruit syrups, baked fondants	300 kg Steel Drum
Maltitol	Liquid & Crystalline	90% sugar sweetness, bulk polyol body, low-glycemic response	Sugar-free chocolate, nutritional bars, hard candies, bakery fillings	25 kg Bag / Drum
FOS L55, L95, P95	Liquid & Powder Fractions	Prebiotic soluble dietary fiber, gut flora nutrition, mild sweetness	Functional foods, infant nutrition powders, fiber gummies, health bars	25 kg Bag / Drum
Maltodextrin	Spray-Dried Carbohydrate	Neutral carrier, bulking agent, mouthfeel enhancer, spray-drying aid	Seasonings, soup bases, nutritional drink mixes, infant blends	25 kg Bag
Modified Starch	Application-Specific Grades	Texturizer, high-shear stability, freeze-thaw syneresis control	Ketchups, dressings, dairy puddings, frozen ready-to-eat meals	25 kg Bag
Lactose 100/200 Mesh	100 Mesh & 200 Mesh	Carrier excipient, mild sweetness, Maillard browning agent	Pharmaceutical tableting, infant formulations, confectionery mixes	25 kg Bag

* Note: Technical specifications, detailed Certificate of Analysis (CoA), and Material Safety Data Sheets (MSDS/SDS) are available on request for each product batch.

Category 4 | Gums, Stabilizers & Thickeners

Plant-origin exudates, seed hydrocolloids, and fermentation biopolymers designed to impart texture, suspension, viscosity, and structural stability across demanding commercial food and dairy matrices.



Product Name	Grade / Origin	Primary Function	Key Applications	Std Packing
Xanthan Gum	80 Mesh & 200 Mesh	Pseudoplastic rheology, particle suspension, thermal & acid stability	Dressings, sauces, gluten-free baking, fruit syrups, cosmetics	25 kg Kraft Bag
Guar Gum	Fast Hydrating Types	High cold-water viscosity, moisture management, dough conditioning	Bakery doughs, ice cream stabilizer, noodles, meat binders	25 kg Bag
Sodium CMC 5000	5000 Viscosity Spec	Water retention, emulsion stability, body and texture builder	Ice cream overrun, bakery softeners, instant noodles, beverages	25 kg Bag
Pectin	HM & LM Pectin Specs	Thermally reversible gelling agent, acid-stable fruit set	Fruit jams, jellies, fruit preparations, acidic dairy drinks	25 kg Bag
Gum Arabic	Natural Exudate Gum	Natural emulsifier, clouding agent, flavor oil encapsulation	Flavor emulsions, beverage concentrates, confectionery coatings	25 kg / 50 kg Bag
Gum Acacia	Natural Acacia Senegal/Seyal	Dietary soluble fiber, binder, film former, lithographic use	Dietary supplements, chewable confections, health drinks	25 kg Bag
Gum Ghati	Natural Tree Exudate	Emulsification, specialized adhesion, natural viscosity binder	Specialized industrial binding, emulsions, traditional foods	25 kg / 50 kg Bag
Stabilizers	Custom Formula Blends	Multi-hydrocolloid synergy, anti-syneresis, melting resistance	Ice creams, frozen yogurts, dairy shakes, culinary sauces	25 kg Bag

* Note: Technical specifications, detailed Certificate of Analysis (CoA), and Material Safety Data Sheets (MSDS/SDS) are available on request for each product batch.

Category 5 | Food Preservatives & Mineral Salts

Antimicrobial protection agents, functional chelators, buffering salts, and mineral fortifiers ensuring microbial safety, shelf-life longevity, and statutory compliance across commercial food systems.



Product Name	Commercial Form	Primary Function	Key Applications	Std Packing
Sodium Benzoate	Granular & Fine Powder	Antimicrobial yeast & mold inhibitor in acidic food formulations	Carbonated beverages, fruit juices, pickles, table sauces, jams	25 kg Bag
Potassium Sorbate	Granular & Pelletized	Broad-spectrum mycological preservative, neutral sensory impact	Cheese, bakery goods, wine, dried fruits, dairy dips, dressings	25 kg Bag / Carton
Sorbic Acid	Pure White Crystalline	Direct antimicrobial inhibitor, active in higher pH and low moisture	Cheese packaging surface, baked goods, margarine, salad dressings	25 kg Carton/Bag
Potassium Metabisulphate	Metabisulphite Formulation	Antioxidant, bleaching control, microbiological stabilization	Fruit pulp processing, winemaking, starch bleaching, sanitizing	25 kg Bag
Sodium Citrate	Mono / Di-Sodium Types	Buffer salt, emulsifying salt, acid regulator, blood collection	Processed cheese slices, gelatin desserts, beverage buffering	25 kg Bag
Tri Sodium Citrate	Dihydrate Crystalline	Chelator, buffer, tartness control, processed cheese melting	Energy drinks, oral rehydration salts, melted cheese, jams	25 kg Bag
Calcium Carbonate	Precipitated / Micronized	Calcium mineral enrichment, anti-caking agent, white pigment	Fortified flour, dietary supplements, chewing gums, toothpastes	25 kg Bag

* Note: Technical specifications, detailed Certificate of Analysis (CoA), and Material Safety Data Sheets (MSDS/SDS) are available on request for each product batch.

Category 6 | Other Ingredients & Process Inputs

Specialty functional ingredients, natural color/flavor components, and strictly distinguished process carriers and solvents serving food, botanical extraction, and industrial manufacturing operations.



Product Name	Specification	Primary Function	Key Applications	Std Packing
Titanium Dioxide	Food Grade Pigment Spec	Superior white opacity, brightness, UV protection in food coatings	Confectionery coatings, chewing gums, dairy whiteners, icings	25 kg Paper Bag
Cocoa Powder	Natural & Alkalized Types	Deep chocolate flavor, dark natural coloration, aroma enrichment	Bakery, dairy beverages, ice cream coatings, confectionery	25 kg Kraft Bag
Sodium Caseinate	Spray-Dried Casein Salt	Exceptional fat-water emulsification, whipping stability, protein	Non-dairy coffee creamers, whipped toppings, processed meats	20 kg / 25 kg Bag
Iso Propyl Alcohol (IPA)*	99.8% Technical / Solvent	Specialized extraction solvent, carrier input, equipment sanitizer	Botanical extraction, industrial synthesis, plant sanitization	160 kg Drum / Tanker
Propylene Glycol*	Pure Technical / Carrier	Flavor solvent carrier, humectancy stabilizer, heat transfer coolant	Flavor compounding, industrial carrier, chilling systems	215 kg Drum / IBC

* CLASSIFICATION & REGULATORY NOTICE: PROCESS INPUTS & SOLVENTS

Iso Propyl Alcohol (IPA) and **Propylene Glycol** are supplied by A V Chemical specifically as **Process Inputs & Solvents**. They are intended for authorized extraction, flavor carrier formulation, plant sanitization, and technical manufacturing processes. They are strictly separated from nutritional and direct food ingredients in our catalog and warehouse logistics. Material Safety Data Sheets (MSDS/SDS) detailing technical handling, storage conditions, and protective measures are supplied with every consignment.

Quality Assurance, Logistics & Ordering Protocol

Commercial Reliability Built on Traceability and Responsive Support

Batch Analytical Traceability	Storage & Moisture Integrity
Every dispatch from A V Chemical is accompanied by a manufacturer batch Certificate of Analysis (CoA). Testing covers active assay, moisture content, heavy metal screening, particle mesh distribution, and microbiological safety parameters.	All hydrocolloids, proteins, and functional powders are stored in palletized, dry, ventilated facilities with multi-layer barrier liners to prevent moisture ingress, oxidation, or caking.
Flexible Commercial MOQ Options	Evaluation Samples for Formulators
We service both commercial multi-ton container loads directly from JNPT Port and LCL / pallet-level orders from our regional stock points to accommodate scheduled manufacturing runs.	Technical development sample packs (100g – 1kg) are available for qualifying R&D teams and plant chemists conducting pilot laboratory or test formulation runs.

A V CHEMICAL | COMMERCIAL

SALES & TECHNICAL SOURCING

DESK

We invite your commercial enquiries, annual contract requirements, and technical specification requests.

- **Corporate Headquarters:** 901, Techno I.T. Park, Near Eksar Metro Station, New Link Road, Borivali (West), Mumbai - 400 092, Maharashtra, India
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- **Corporate Website:** <https://www.avchemicals.in> • **Staging Hub:** <https://www.bigindiamart.com/avchem/>

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