

MAGNUM Intl Inc.

Agricultural Formulation Ingredients & Technologies

Specialty Raw Materials for Crop Protection, Adjuvant, Fertilizer & Seed-Treatment Formulations

About MAGNUM Intl Inc

At MAGNUM Intl, Inc, we don't just deliver chemicals — we deliver confidence. With 40+ years of proven expertise, we stand as a trusted national distributor committed to helping our partners achieve safer, smarter, and more sustainable operations.

Why Clients Choose MAGNUM

Partnership, not just supply: We work side by side with clients to understand their unique challenges and tailor solutions that fit.

Unmatched reliability: Our GLOBAL network ensures consistent product availability, on-time delivery, and responsive service.

Technical expertise: From regulatory compliance to product performance, our team provides the knowledge clients need to stay ahead.

Sustainable solutions: We prioritize cost-effective, environmentally responsible options that align with long-term business goals.

Proven track record: Four decades of experience serving diverse industries — from manufacturing to energy to specialty applications.

The MAGNUM Advantage

Choosing MAGNUM means gaining a partner who is invested in your success. We combine deep industry knowledge with a personal touch, ensuring every interaction builds trust and drives value.

Our Services

Custom Chemical Processing

Custom Chemical Blending

Chemical Packaging

Procurement and Sourcing

Logistics Services

MAGNUM Intl Inc.

AGRICULTURAL & FERTILIZER RAW MATERIALS

FORMULATION INGREDIENTS FOR CROP PROTECTION, ADJUVANTS, FERTILIZER, NUTRIENT AND SEED-TREATMENT SYSTEMS

Magnum International offers a broad portfolio of specialty raw materials for agricultural chemical, fertilizer, nutrient, seed-treatment and crop-protection formulations. Our range includes fertilizer additives, surfactants, wetting and dispersing agents, emulsifiers, solvents, carriers, chelating agents, foam-control products, specialty acids and functional intermediates.

FERTILIZER & NUTRIENT TECHNOLOGY

Raw materials and functional additives for liquid and granular fertilizer systems, nutrient formulations and enhanced-efficiency fertilizer products.

NBPT

Urease inhibitor used with urea and UAN fertilizers to help reduce nitrogen loss from ammonia volatilization.

Isopropanolamines - MIPA / DIPA / TIPA

Multifunctional alkanolamines used for neutralization, pH adjustment, salt formation and formulation of agricultural and fertilizer products.

Alkanolamines

Amine-based neutralizers and intermediates for fertilizer and agricultural formulations.

Dimethylamine 40%

Aqueous amine intermediate used in the manufacture of agricultural chemicals and specialty derivatives.

M2AE - 2-(2-aminoethoxy)ethanol

Specialty amine providing neutralization, alkalinity and intermediate functionality.

Ammonium & Sodium Sulfates

Inorganic sulfate salts for fertilizer, nutrient and agricultural formulation applications.

EMULSIFIERS, ESTERS & FORMULATION AIDS

Specialty ester and emulsifier chemistry for crop protection, adjuvant, seed-treatment and fertilizer formulations.

Polyglycerol Esters

Emulsification and dispersion functionality across a range of oil/water systems.

Glycerol Esters

Fatty-acid esters providing emulsification, wetting and formulation functionality.

PEG Esters

Versatile nonionic emulsifier and formulation-aid chemistry.

Sorbitan Esters

Nonionic emulsifiers for stabilizing oil/water systems.

Polysorbates

Hydrophilic nonionic emulsifiers and solubilizers for aqueous and emulsion-based formulations.

CROP PROTECTION SAFENERS & FUNCTIONAL INGREDIENTS

Specialty functional ingredients for herbicide selectivity, crop tolerance and crop-protection formulation systems.

Cyprosulfamide

Herbicide safener used in crop-protection formulations to improve crop selectivity and tolerance when paired with compatible herbicide active ingredients.

SURFACTANTS, WETTING AGENTS & ADJUVANT COMPONENTS

Surface-active materials for wetting, spreading, emulsification, dispersion, penetration and compatibility in agricultural formulations.

OPARYL DT-505

Specialty wetting/dispersing surfactant for formulation applications.

OPARYL MT-704

Naphthalene-sulfonate-based wetting agent particularly suited to agrochemical formulation, including wettable powders and water-dispersible granules.

Alkyl Polyglucosides (APGs)

Bio-based nonionic surfactants offering wetting and detergency with broad formulation compatibility.

EO/PO Block Copolymers - including L61 / L62

Nonionic surfactants providing wetting, emulsification, dispersing and foam-control properties.

Ethoxylated Castor Oils

Nonionic emulsifiers and solubilizers applicable to pesticide concentrates, crop-protection formulations and agricultural adjuvant systems.

Calcium DDBS

Oil-soluble anionic surfactant/emulsifier for emulsifiable concentrates and related formulation systems.

Additional Surfactants

Nonionic, anionic and amphoteric options for formulation-specific wetting, emulsification, dispersion and compatibility.

CHELATING, SEQUESTERING & WATER-CONDITIONING AGENTS

Products for metal-ion management, water hardness, nutrient compatibility and formulation stability.

EDTA Acid

Chelating agent for binding metal ions and improving stability in aqueous systems.

Citric Acid

Acidulant, pH adjuster and chelating/sequestering aid.

Sodium Gluconate / Gluconates

Chelation and sequestration chemistry for metal-ion and hard-water control.

Colloidal Silica

Specialty inorganic silica for suspension, binding, anti-caking and formulation modification, depending on grade.

SPECIALTY ACIDS & INTERMEDIATES

Organic acids and specialty intermediates for agricultural formulation, synthesis and derivative production.

Adipic Acid

Diacid intermediate and formulation building block.

Sebacic Acid

Specialty diacid used in ester and derivative chemistry.

Propionic Acid

Organic acid for specialty agricultural and formulation applications.

Dimer Acids

Specialty fatty-acid-derived diacids for derivative and formulation chemistry.

Mixed Dibasic Acids / Specialty Diacids

Intermediates and building blocks for esters, surfactants and specialty additives.

BIO-BASED & RENEWABLE RAW MATERIALS

Renewable and bio-based options that can support solvency, carrier, wetting, emulsification and intermediate requirements in agricultural formulations.

d-Limonene

Citrus-derived solvent offering strong solvency for oils, resins and other organic materials; useful as a solvent, carrier and formulation component.

Seed Oils / Vegetable Oils

Renewable carriers and formulation components commonly used in oil-based agricultural adjuvant systems.

Vegetable Oil Derivatives & Fatty Acid Esters

Renewable-derived components useful as carriers, solvents and building blocks for agricultural adjuvant systems.

Glycerin

Multifunctional renewable-derived polyol used as a humectant, carrier, solvent and formulation aid.

TOFA - Tall Oil Fatty Acid

Renewable fatty-acid feedstock used in esters, emulsifiers, surfactants and specialty chemical derivatives.

Dimer Acids

Fatty-acid-derived specialty diacids used as intermediates and building blocks for esters, surfactants and specialty polymers.

Sebacic Acid

Specialty diacid that may be available from castor-oil-derived chemistry and is used as an intermediate for esters and specialty derivatives.

FOAM CONTROL

Foam-control technologies for fertilizer, pesticide, adjuvant and agricultural processing applications.

Silicone Defoamers

Efficient foam knockdown and control in suitable aqueous formulation and processing systems.

Non-Silicone Defoamers

Alternative foam-control chemistry for formulation-specific requirements.

Low-Foam EO/PO Surfactants

Wetting and surface activity with reduced foam generation.

Process Antifoams

Products for controlling foam during mixing, pumping, filling and processing.

DISPERSANTS & FORMULATION STABILIZERS

Functional polymers and surfactants for particle wetting, suspension and formulation stability.

Naphthalene Sulfonate Dispersants

Dispersing/wetting chemistry applicable to particulate formulation systems.

Polyacrylate Dispersants

Polymeric dispersants for suspension and particle stabilization.

Acrylic / Maleic Copolymers

Polymeric formulation aids for dispersing and stabilization.

Sulfonated Copolymers

Specialty dispersant chemistry for formulation-specific requirements.

EO/PO Dispersing & Wetting Agents

Nonionic options for wetting, dispersing and low-foam formulation needs.

SOLVENTS, CO-SOLVENTS & CARRIERS

Solvents and coupling agents for active-ingredient solubilization, concentrate formulation, carrier systems and specialty agricultural chemical manufacturing.

N-Methyl-2-Pyrrolidone (NMP)

High-solvency polar solvent for specialty formulation and synthesis applications.

Cyclohexanone

Ketone solvent for formulation and chemical-processing applications.

Butyl Cellosolve / 2-Butoxyethanol

Glycol ether solvent and coupling agent.

Glycol Ethers

Solvent and coupling-agent family with a range of polarity and evaporation profiles.

DBE / Dibasic Esters

Specialty ester solvents offering useful solvency and formulation flexibility.

d-Limonene

Bio-based citrus-derived solvent and carrier for oil-soluble formulation components.

Additional Specialty Solvents

Options can be selected around active solubility, polarity, evaporation profile, formulation type and regulatory requirements.

ADDITIONAL AGRICULTURAL FORMULATION TECHNOLOGIES

- Silicone polyether super-spreaders
- Phosphate ester surfactants
- Amphoteric surfactants
- DOSS wetting agents
- Low-foam wetting agents
- Hydrotropes and solubilizers
- Specialty dispersants
- Fluorosurfactants
- Corrosion inhibitors
- pH modifiers and neutralizing agents
- Specialty fatty acids and derivatives

REPRESENTATIVE APPLICATIONS

Fertilizers & Plant Nutrition | UAN & Urea Stabilization | Herbicides | Fungicides | Insecticides | Adjuvants | Emulsifiable Concentrates (EC) | Suspension Concentrates (SC) | Wettable Powders (WP) | Water-Dispersible Granules (WDG) | Seed Treatments | Nutrient Solutions | Agricultural Chemical Intermediates

PRODUCT & SUSTAINABILITY NOTE

Suitability, regulatory status, renewable content, natural-origin content and specific performance claims vary by product, grade, feedstock and manufacturer. Product selection and end-use claims should be confirmed against the applicable manufacturer technical and regulatory documentation.



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