



 **MAGNUM**  
Intl Inc.  
Technologies

# 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



# Alternative Technical Platform Categories

## Technology Platforms

Our broad portfolio of chemistries and functional materials provides solutions across a wide range of markets and applications. From advanced surfactants and specialty polymers to renewable technologies and surface protection systems, our technical platforms are designed to improve performance, compatibility, durability, and process efficiency.



Advanced Surfactant  
Technologies



Fluorinated Performance  
Materials



Specialty Hydrocarbon  
Polymers



High-Performance  
Wetting Agents



Renewable & Sustainable  
Chemistries



Odor Control  
Technologies



Renewable Raw  
Material Solutions



Surface Protection &  
Barrier Systems



Industrial Cleaning  
Technologies



Soil Release &  
Repellency Systems



Soft Surface Care  
Technologies



Personal Care  
Functional Polymers



UV & Light  
Stabilization Technologies



Custom Specialty  
Platforms



Colloidal & Silica  
Technologies

Delivering innovative chemistry platforms to help solve today's formulation and performance challenges.



# Surface Modification Technology

## Precision Surface Chemistry for Better Performance

Our advanced surface modification technologies are designed to change how materials interact with their environment. Through tailored surfactant systems and engineered surface treatments, we help improve wetting, adhesion, dispersion, lubricity, compatibility, and overall product performance.

Whether applied to metals, plastics, minerals, powders, fibers, coatings, or specialty chemicals, our solutions create surfaces that perform more efficiently, more consistently, and with greater long-term stability.

### What Surface Modification Can Deliver

- Improved wetting and spreadability
- Enhanced adhesion between dissimilar materials
- Greater dispersion and suspension stability
- Reduced surface tension
- Better flow, leveling, and appearance
- Increased compatibility in complex formulations
- Improved resistance to moisture, corrosion, and contamination
- Enhanced processability and manufacturing efficiency

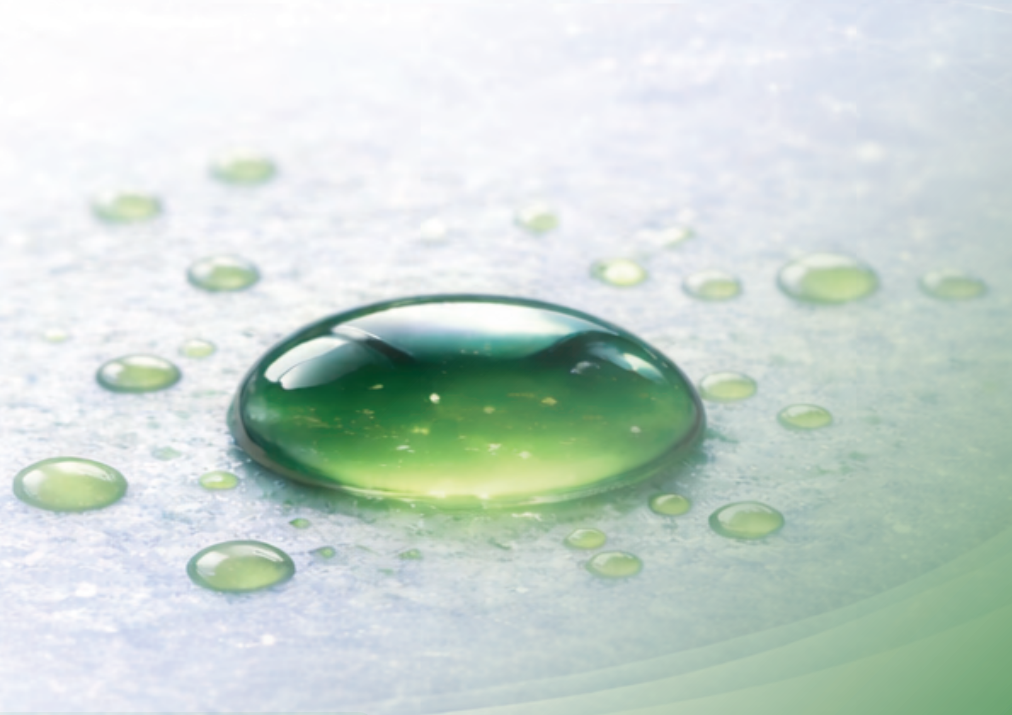




## Surfactant & Surface Treatment Capabilities

We develop and supply technologies that can:

- Promote uniform coverage across difficult surfaces
- Improve emulsification and phase compatibility
- Modify hydrophobic or hydrophilic balance
- Increase penetration into porous or low-energy substrates
- Reduce agglomeration in powders and pigments
- Improve particle-to-particle and particle-to-matrix interaction
- Enhance coating, printing, and laminating performance
- Deliver more reliable and repeatable end-use results



### Coverage Control

Uniform Surface Optimization



### Surface Balance

Hydrophobic & Hydrophilic Adjustment



### Formulation Stability

Improved Consistency & Compatibility



## Designed for Demanding Applications

Our surface modification systems are used in a wide range of industries and applications, including:

- Industrial and specialty coatings
- Adhesives and sealants
- Plastics and polymer compounds
- Rubber and elastomer formulations
- Agriculture and crop protection
- Metal treatment and corrosion prevention
- Inks, pigments, and color concentrates
- Household, institutional, and industrial cleaners
- Textile, fiber, and paper processing
- Mineral, filler, and powder treatment



## Better Surface Interaction. Better Product Performance.

The right chemistry for the right results.

With the right surface chemistry, materials work harder, processes run smoother, and finished products perform better.

Let us help you engineer the surface performance your application demands.

### Surface Performance Benefits

- Improved wetting
- Better substrate interaction
- More uniform application
- Enhanced finished-product results



## Tailored to Your Formulation

No two applications are exactly alike.

We work closely with customers to understand the substrate, processing conditions, and desired performance targets in order to develop a customized solution.

From improving the performance of an existing product to solving a difficult compatibility or processing problem, our team provides the chemistry, technical expertise, and practical support needed to help your formulation succeed.

### Surface Performance Benefits

- Understand the substrate
- Review process conditions
- Define performance targets
- Recommend the right chemistry



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