



Chemanova

Precision in Every Drop



About Us

- **Chemanova**, a brand of PT Chemical Additives Innovations, is a leading provider of high-performance chemical additives, offering advanced, sustainable solutions for the coatings, inks, and adhesives industries.
- Our core expertise lies in formulating smart technologies that enhance formulation stability, efficiency, and end-product performance.
- With a strong commitment to innovation, quality, and customer collaboration, we help manufacturers overcome complex formulation challenges through tailored, regulatory-compliant solutions that support global sustainability goals.
- Driven by research, powered by chemistry, and inspired by purpose — **Chemanova**. is more than a supplier; we are your trusted partner in performance, innovation, and long-term success.



Our Vision

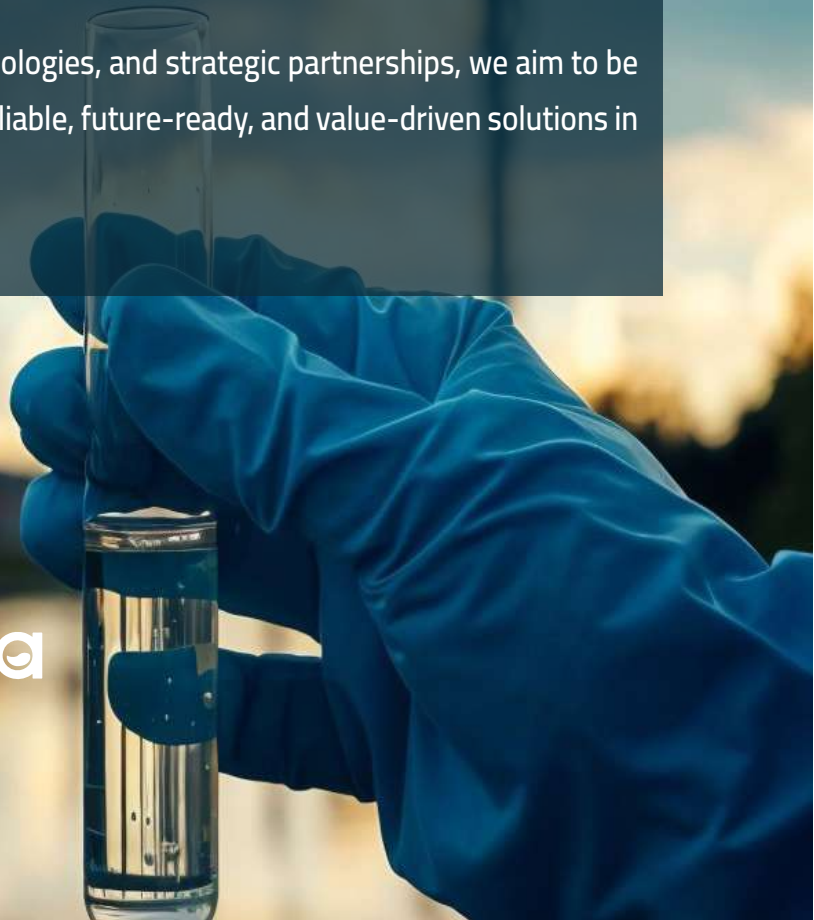
- To be the global partner of choice for high-performance, sustainable chemical additives—empowering the coatings, inks, and adhesives industries to innovate efficiently and deliver outstanding results through trusted, forward-thinking solutions.

Our Mission

- At **Chemanova**, our mission is to innovate and deliver superior chemical additive solutions that elevate stability, durability, and performance across industrial applications—while promoting environmental responsibility and cost-efficiency.
- We empower the **coatings, inks, and specialty chemical industries with tailor-made**, high-performance additives that meet stringent regulatory standards and support sustainable development
- Through continuous R&D, advanced technologies, and strategic partnerships, we aim to be the trusted partner for businesses seeking reliable, future-ready, and value-driven solutions in a competitive global marketplac.



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Our Core Values

Innovation



We drive progress through continuous research and smart development—creating innovative solutions that keep our clients ahead.

We ensure product excellence through rigorous testing, industry compliance, and process precision.

Quality



Sustainability



Our eco-conscious additives reduce VOCs and align with global environmental standards.

We deliver tailored, high-impact solutions that address each client's unique formulation challenges.

Customer Focus



Integrity & Agility



We act with honesty, transparency, and speed—adapting swiftly to evolving industry demands.



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R&D and Innovation



▪ At **Chemanova**, research and innovation are at the heart of our strategy. Our R&D team drives our competitive edge by developing eco-conscious, high-performance chemical additives tailored to real-world industry needs.

▪ Our in-house laboratories are equipped with state-of-the-art testing and formulation technologies, enabling rapid prototyping, precise quality control, and continuous improvement.

We focus on

Enhancing product performance and durability



Developing environmentally friendly formulations



Collaborating with academic and industrial partners



Rapid adaptation to market and regulatory changes



We don't just follow industry progress—we lead it.

Our Product Portfolio



▪ We specialize in four key additive categories that improve **dispersion, surface behaviour, foam control, and offer multi-functional performance:**



Dispersing Agents
Surface Control Additives



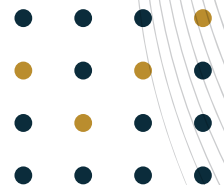
Anti-Foam Additives
Specialty Multi-Function Additives

Designed for solvent-based, water-based, and hybrid systems.



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Dispersing Agents





Dispersing Agents

Our Dispersing Agents are engineered to ensure optimum pigment wetting, dispersion, and stabilization across a wide range of water-based and solvent-based systems. They prevent flocculation, enhance color development, increase gloss, and improve overall storage stability

Products:

- **Nova DA101** – Water-Based Dispersing Agent
- **Nova DA201** – Solvent-Based Dispersing Agent

Key Features & Benefits:

- Superior pigment wetting and dispersion efficiency
- Prevention of pigment re-agglomeration and sedimentation
- Enhancement of gloss, color strength, and brilliance
- Improved storage stability and extended shelf-life
- Reduction of grinding time and energy consumption

Applications

Industrial and
Protective Coatings

Architectural
Coatings

Printing Inks
(Gravure, Flexographic)

Decorative
Paints

Packaging
Coatings



Technical Profile

- **Nova DA101:** Ideal for waterborne systems requiring low-VOC and high color vibrancy.
- **Nova DA201:** Designed for solvent-based systems where maximum dispersion power is needed for complex pigments.

Nova DA101 – High-Performance Dispersing Agent

- **Nova DA101** is a multi-system dispersing agent designed for use in only water-based
- It improves pigment dispersion, enhances color development, stabilizes systems, and optimizes application performance.

Key Benefits:

- Superior Pigment Dispersion – Ensures uniform pigment distribution and strong color intensity.
- Enhanced Stability – Prevents pigment re-agglomeration and sedimentation.
- Improved Flow & Leveling – Results in a smoother, defect-free surface finish.
- Low Foam Generation – Facilitates easy processing and application.

Usage Guidelines

- **Recommended Dosage:** 0.5% – 3.0% of the total formulation weight.
- **Addition:** Pre-mix with the binder or add during the grinding stage.
- **Processing Temperature:** 10°C – 50°C.

Note: Perform preliminary testing to determine the optimum dosage for each formulation

Nova DA201 - High-Performance Solvent-Based Additive

Nova DA201 is a high-performance solvent-based additive designed to enhance the dispersion and solvency properties in coatings, inks, and adhesives. Its balanced formulation provides excellent wetting, solubility, and compatibility with a wide range of resins, improving application performance and finish quality.

Key Benefits:

- Superior Solvency Power – Effectively dissolves resins and enhances dispersion
- Fast Evaporation Rate – Improves drying time in coatings and inks
- Enhanced Film Formation – Provides a smooth and uniform surface finish
- Excellent Compatibility – Works with various resins and solvent systems
- Optimized Viscosity Control – Helps maintain stability and flow properties

Usage Guidelines

- **Recommended Dosage:** 0.5 – 3.0% of the total formulation
- **Addition Sequence:** Pre-mix with the binder or add directly into the grinding stage
- **Processing Temperature:** Use between 10 – 50°C for optimal performance
- **For best results,** conduct a preliminary test to determine the optimal dosage based on the specific formulation.

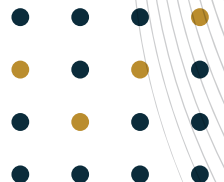




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Surface Control Additives





Surface Control Additives

Purpose:

Improves surface leveling, gloss, slip, and adhesion while minimizing defects like craters and orange peel.

Products:

• Solvent-Based Surface Control – Nova SC101, Nova SC102, Nova SC103

Industries Served:

Packaging &
Flexible Printing

Automotive &
Industrial Coatings

Wood &
Protective Coatings



Nova SC101 - Solvent-Based Surface Control Additive

Nova SC101 is a high-performance solvent-based surface control additive designed to enhance flow, leveling, and substrate wetting in coatings, inks, and adhesives. It provides excellent compatibility with solvent-based systems, improving application properties and overall finish quality.

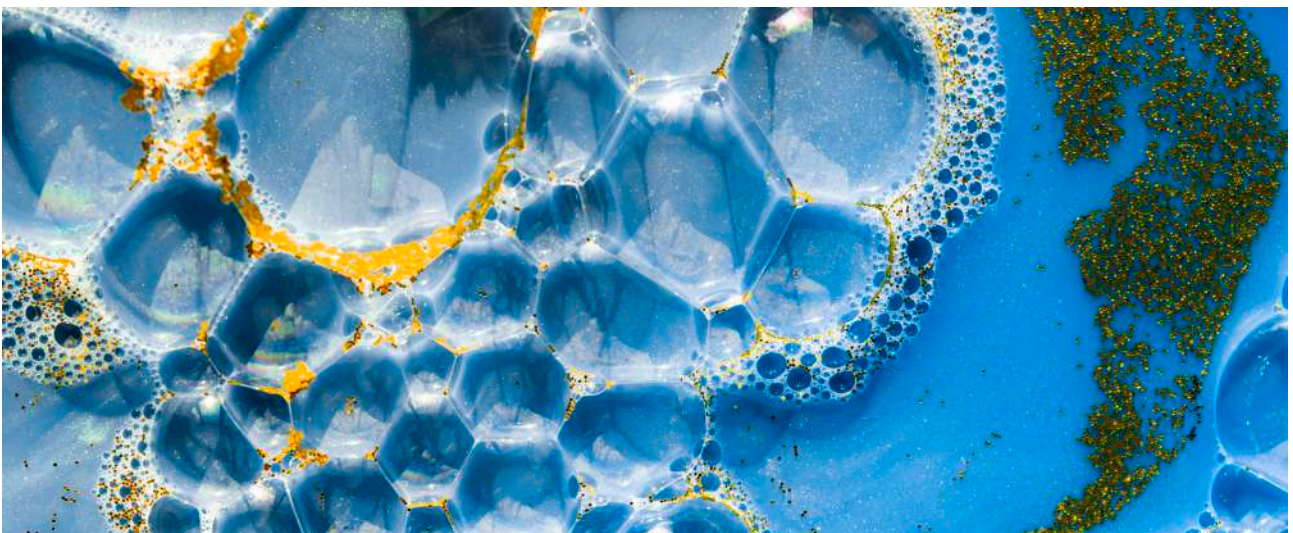
Key Benefits

- Enhanced Surface Levelling – Reduces defects such as orange peel and cratering.
- Improved Wetting & Flow – Ensures even film formation and adhesion.
- Optimized Drying Time – Balances solvent evaporation for a smooth finish
- Low Foaming – Reduces air entrapment in high-speed applications
- Excellent Compatibility – Works with various resin and binder systems

Usage Guidelines

- **Recommended Dosage:** 1 – 5% depending on application
- **Addition Method:** Add gradually under agitation for uniform dispersion

For best results, conduct a preliminary test to determine the optimal dosage based on the specific formulation.



Nova SC102 - Wetting and Anti-Cratering Agent

Nova SC102 is a surface control additive specifically designed to enhance substrate wetting and prevent surface defects like craters and pinholes in solvent-based coatings.

Key Benefits

- Enhanced Surface Levelling – Reduces defects such as orange peel and cratering.
- Excellent substrate wetting (wood, metal, plastics)
- Crater and pinhole prevention
- Enhances levelling and flow
- Low dosage efficiency (0.1–0.5%)
- Maintains clarity and gloss of coatings
- Compatible with various resin types (alkyd, PU, acrylic, nitrocellulose)

Usage Guidelines

- **Recommended Dosage:** 0.1% – 0.5% on total formulation weight.
- **Incorporation:** Nova SC102 can be added during the pigment grinding stage or during final let-down.
- **Pre-dilution with solvents** is possible for easier handling.
- **Compatibility Testing:** Prior testing is recommended to confirm compatibility with specific resin systems and solvents.



Nova SC103 - Anti-Flooding & Flow Modifier

Nova SC103 is a surface control additive formulated to minimize pigment flooding and flocculation in solvent-based coatings. It also improves flow and leveling, ensuring even and smooth film formation.

Key Benefits

- Prevents colour separation (flooding) and pigment floating.
- Improves levelling and appearance of metallic and pearlescent paints.
- Increases gloss and surface smoothness.
- Compatible with various solvent-borne resins (PU, Alkyd, Acrylic, NC).
- Effective at low dosages (economical).

Usage Guidelines

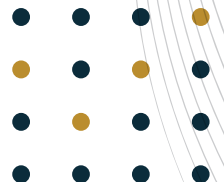
- **Recommended Dosage:** 0.2% – 0.6% based on total paint formulation weight.
- **Incorporation:** Best added during pigment dispersion phase.
- **Pre-dilution with solvents** is possible for easier handling.
- **Compatibility Testing:** Testing with specific resins and pigment systems is advised to optimize results.





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Specialty Additives
All-in-One Solutions





Specialty Multi-Function Additives

Purpose:

- Multi-functional additives that combine dispersing, levelling, and stabilization benefits.

Products:

- Multi-Purpose Additives – **Nova SA101**

Industries Served:

Architectural &
Industrial Coatings

Printing Inks &
Packaging

Adhesives &
Sealants



Nova SA101 - All-in-One Additive for Water-Based Applications

▪ **Nova SA101** is a highly functional additive designed for water-based systems, acting as a high-performance co-dispersant. It enhances pigment dispersion, pH stability, gloss, and scrub resistance, while also reducing odor and in-can corrosion. The product enables a reduction of up to 20% in traditional dispersants, optimizing formulation efficiency.

Key Benefits

- Optimizes pigment dispersion and prevents re-agglomeration.
- Enhances gloss and colour acceptance for superior visual quality.
- Improves scrub resistance and water resistance, increasing durability.
- Reduces in-can corrosion and flash rusting, improving storage stability.
- Controls pH and stabilizes formulations, preventing unwanted variations.
- Minimizes odour by substituting ammonia, making formulations more user-friendly.
- Enables up to 20% reduction in traditional dispersants, optimizing cost and efficiency.

Usage Guidelines

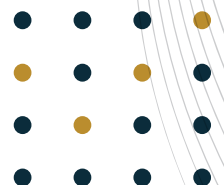
- **Grinding Stage:** Replace up to 20% of traditional dispersants by adding 0.05–0.1% of **Nova SA101** based on the total formulation weight.
- **Let-Down Stage:** Add 0.1 – 0.4% of **Nova SA101** to optimize stability and neutralize associative thickeners.





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Antifoam Additives





Antifoam Additives

Purpose:

Controls and eliminates foam during production, mixing, and application. Foam can impact coating uniformity, drying times, and appearance. Our range offers rapid defoaming and long-term foam suppression for both water-based and solvent-based systems.

Water-Based Antifoams

Products:

- NOVA FA101
- NOVA FA102

Key Features:

- Low VOC
- Broad pH compatibility
- Non-silicone options
- Ideal for inks, adhesives, and architectural paints

Solvent-Based Antifoams

Products:

- NOVA FA201
- NOVA FA202

Key Features:

- Excellent foam knockdown and persistence
- Suitable for high-viscosity systems
- Broad solvent compatibility
- Enhances surface levelling

Water-Based Antifoams

NOVA FA101 - Water-Based Defoamer for Paints

NOVA FA101 is a highly effective water-dispersible antifoam designed for water-based paints, inks, and adhesives. It provides rapid foam knockdown and long-lasting foam control.

Key Benefits

- Excellent Immediate Foam Knockdown
- Long-lasting Foam Control Over Time
- High Compatibility Across Water-Based Systems
- Works Across Wide pH Range (6–12)
- Minimizes Defects Like Cratering or Pinholes

Usage Guidelines

- Dosage: 0.1–0.5% based on total formulation
- Add during pigment dispersion or let-down

NOVA FA102 - High-Performance Water-Based Defoamer

NOVA FA102 is a premium water-based antifoam designed for high PVC paints and tough foam-prone systems. It combines quick foam knockdown with long-term stability.

Key Benefits

- Persistent Defoaming Even at High Shear Conditions
- Fast Incorporation into Paint Systems
- Non-bleeding, Non-floating Performance
- Stable Across Broad pH Range (5–11)
- Ideal for High-PVC, Tough-to-Control Systems

Usage Guidelines

- Dosage: 0.1–0.6% by weight
- Best if split between pigment grind and let-down

Solvent-Based Antifoams

NOVA FA201 Solvent-Based Universal Defoamer

NOVA FA201 is a solvent-based defoamer suitable for use in a wide variety of solvent-borne coatings and inks. It offers fast foam knockdown without surface defects.

Key Benefits

- Rapid Knockdown of Entrapped and Surface Foam
- Excellent Gloss and Film Appearance Retention
- Wide Compatibility with Solvent Systems (PU, Alkyds, NC)
- Low Dosage Required for Maximum Efficiency
- Maintains Coating Transparency and Clarity

Usage Guidelines

- Dosage: 0.1–0.3% by weight
- Add during pigment dispersion or after base preparation

NOVA FA202 Strong Knockdown Solvent-Based Defoamer

▪ **NOVA FA202** is an aggressive solvent-based defoamer for high-demand industrial applications where quick foam control is required.

Key Benefits

- Powerful Foam Breaker for Severe Foaming Systems
- Highly Efficient in High-Viscosity Industrial Paints
- Minimizes Microfoam During Curing and Drying
- Excellent Chemical Resistance and Durability
- Preserves Flow and Leveling without Defects

Usage Guidelines

- Dosage: 0.15–0.4% depending on foam severity
- Add in pigment dispersion or during let-down

Why Choose Chemanova?



Global Reach & Support

With responsive technical and commercial assistance

Sustainability Driven

Low-VOC, eco-conscious chemistry, compliant with global standards

Customized Solutions

tailored to every client's needs

Advanced Formulations

powered by cutting-edge R&D



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