

## Technical Data Sheet

### Product Name: Nova FA101

Water-Based Defoamer for Paints, Inks & Adhesives

Version: 03/2025

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### 1. Product Description

**Nova FA101** is a **high-efficiency water-based defoamer** designed to eliminate and control foam in **aqueous coatings, inks, and adhesives**. Built on a blend of **non-silicone, low-VOC components**, it offers rapid foam knockdown during production and extended foam suppression during application and storage.

Its excellent **compatibility** and **dispersibility** make it suitable for both **low- and medium-viscosity systems**, including architectural paints, pigment slurries, and waterborne adhesives.

### 2. Applications

- Architectural emulsion paints (interior & exterior)
- Industrial water-based coatings
- Water-based pigment dispersions
- Inkjet, gravure, and flexographic inks
- Pressure-sensitive and general adhesives

### 3. Physical and Chemical Properties

Property	Specification
Appearance	Clear liquid to Pale Yellow
Water Dispersibility	High
Specific Gravity @ 20°C	~ 0.92 – 0.97 g/cm <sup>3</sup>
pH (10% solution)	8 - 9
Viscosity @25°C	< 1000 cPs

#### 4. Key Benefits & Market Value

- **Fast Foam Suppression**  
Immediate knockdown of process foam during grinding and mixing.
- **Long-Lasting Control**  
Maintains defoaming activity during storage and end-use.
- **Highly Dispersible**  
Easy to incorporate without destabilizing emulsions or pigment dispersion.
- **Surface Defect Prevention**  
Minimizes crater formation, air entrapment, and film irregularities.
- **Low-VOC & Eco-Compatible**  
Compliant with environmental regulations and ideal for low-odor paints.

#### 5. Usage Guidelines

**Recommended Dosage:** 0.1–0.5% based on total formulation

**Addition Method:** Add during pigment dispersion or let-down

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

#### 6. Storage and Handling

- Store in a **cool, dry place**, away from direct sunlight.
- Keep containers **tightly sealed** when not in use to prevent contamination.
- Use **appropriate personal protective equipment (PPE)** when handling.

#### 7. Packaging

- **50 kg drums**
- **200 kg barrels (non-returnable containers)**

For customized packaging options, please contact our sales team.

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