Chemanova
Precision in Every Drop

Technical Data Sheet

Product Name: Nova DA205

Epoxy Dispersant Booster for TiO_2 & Inorganics
Version: 09/2025

1. Product Description

Nova DA205 is a solvent-based dispersant booster designed for **epoxy and polyamide systems**. Optimized for TiO_2 and inorganic fillers, it enhances pigment wetting, prevents hard settling, and improves opacity, it delivers outstanding **dispersion efficiency and long-term storage stability**.

2. Applications

- Solvent-based epoxy primers and floor coatings
- TiO_2-heavy industrial topcoats
- High-solids epoxy formulations
- Pigment concentrates for epoxy resin systems

3. Physical and Chemical Properties

Property	Specification
Appearance	Yellow liquid
Solubility	Solvent-compatible
Density (g/cm³ at 25°C)	~0.94 – 0.98 g/cm³
pH (1% Solution)	7-9
Active Content	55 – 60 %
Acid Value	~ 20 – 30 mg KOH/g

4. Key Benefits & Market Value

- Excellent TiO_2 wetting & dispersion → higher opacity and whiteness.
- Prevents settling of heavy fillers in storage.
- Reduces mill-base viscosity, improves grind efficiency.
- Improves gloss and flow in cured epoxy films.

5. Usage Guidelines :

- **Recommended Dosage :** 0.5– 2.0 % of the total formulation
- **Incorporation**: Add during pigment grind; can also be post-added for stability.
- **Pre-Dilution:** Optional with solvents for easier handling.

6. Storage and Handling

- Store in cool, dry place; avoid direct sunlight.
- Avoid prolonged exposure to moisture or direct sunlight
- Use standard PPE during handling

7. Packaging

- 50 kg drums
- 200 kg steel barrels

For customized packaging options, please contact our sales team.

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