

ECODIS™ NP

Dispersing agent for water-based systems

Ionic Homopolymer dispersant

TYPICAL CHARACTERISTICS

Nature	Polyacrylate sodium salt
Appearance	Yellowish aqueous solution
Solid Content (%)	42
Active Content (%)	42
pH	8
Specific gravity	1.31
Neutralization type	Sodium
Solvent	Water

DESCRIPTION

Ecodis™ NP is designed to disperse and stabilize a wide range of fillers, extenders and inorganic pigments. It enables to achieve mill bases with a high solids content and simultaneously a low viscosity using the most common stirrers or deflocculating tools. Ecodis™ NP is particularly adapted for the dispersion of fine calcium carbonates, clays and high value pigments such as titanium dioxide across a wide range of water based formulations. It ensures a very good storage stability even to formulations stored a long time at higher temperature, which is not the case of inorganic additives such as phosphate based dispersants. Ecodis™ NP contributes to reduce formulation costs thanks to its high effectiveness and to the reduction of grinding time.

RECOMMENDED ADDITION LEVEL

The required amount varies from 0.1% to 0.5% of active ingredients based on the total weight of mineral particles. One can also simply start formulation trials using between 0.4% to 0.6% of Ecodis™ NP as delivered, on the total formulation weight.

STANDARD PACKAGING

Other packaging may be available upon request

- 1000L IBC
- 220L Drum
- Bulk

HANDLING & STORAGE

It should be protected from the effects of weathering and stored between 5 and 40°C.

Once opened, packaging should be resealed immediately after use.

In these conditions, this product should be used within 12 months from delivery.

PROCESSING INSTRUCTIONS

Ecodis™ NP should be added to water before the fillers, extenders and pigment incorporation. The optimum level can be determined for each pigment blend by measuring the evolution of viscosity of the pigment dispersion in water as a function of the amount of dispersant. The optimum use level helps then achieve the lowest viscosity.

HEALTH AND ENVIRONMENTAL DATA

For safe handling please refer to the Safety Data Sheet. For more information about health and environmental data, please contact us.

MARKET

Coatings & Inks


- Architectural Coating
- Graphic Arts
- Textile & Leather Coating
- Traffic Paint

Adhesives & Sealants





- Assembly
- Sealants

KEY BENEFITS

FORMULATION

- **Cost in use** 
- **Compatibility** 
- **Easy handling** 

STORAGE

- **Antisettling** 
- **Viscosity stability** 
- **Floating resistance** 
- **Syneresis resistance** 

FILM PROPERTIES

- **Hiding power/Opacity** 
- **Stain resistance** 

- **APEO free** Yes

- **Bacteria resistance** Yes

- **Heavy metal free** Yes

- **Solvent-free** Yes

PVC

PVC High 

PVC Mid 

PVC Low 

SUITABLE FOR

Inorganic pigments 

Fillers 