

## TECHNICAL DATA SHEET

### ECODIS™ NP

Dispersing agent for water-based systems

**Ionic Homopolymer dispersant**

#### TYPICAL CHARACTERISTICS

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

#### 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.

#### MARKETS

##### 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



##### SAFER SOLUTIONS

- APEO Free\*
- Heavy Metal Free\*
- Solvent Free\*

*\* Not intentionally added but not specifically measured (not part of product specification)*

#### PVC

PVC Low  
PVC Mid  
PVC High



#### SUITABLE FOR

Inorganic pigments  
Fillers



# ECODIS™ NP

## 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.

**Headquarter: Arkema France**  
51, Esplanade du Général de Gaulle  
92800 Puteaux – France  
T +33 (0)1 49 00 80 80

