



RHEOSPERSE™ 144 A

Dispersing Agent for Titanium Dioxide

Designed for stability and compatibility, **RHEOSPERSE™ 144 A** is an ideal choice for rutile titanium dioxide slurry producers. A robust solution designed with the specific behaviour of TiO₂ slurries in mind, it can be used to produce stable slurries on a wide variety of titanium dioxide coming from chloride or sulphate manufacturing processes and different surface treatments.

RHEOSPERSE™ 144 A also provides synergistic effects and proven compatibilities with paint formulations dispersed with similar hydrophilic co-polymer technology. It provides stable slurries and therefore contributes to reduce costs, supply chain confidence and improved flexibility of coating formulators.

• TYPICAL ANALYSIS

Nature: Polyacrylate ammonium salts in aqueous solution

Appearance (20°C): Liquid

Solids content (%): 44

pH (20°C): 7.1

Specific gravity (20°C): 1.18

Compatibility: Soluble in water

• ADVANTAGES

RHEOSPERSE™ 144 A provides:

- high solids content slurries with low Brookfield viscosity,
- good storage stability,
- proven compatibility with waterborne paint systems

RHEOSPERSE™ 144 A is:

- cost effective,
- specially designed to disperse rutile titanium dioxide,
- very efficient and needs low level of use,
- a liquid, ready to use dispersing agent.

• APPLICATIONS

RHEOSPERSE™ 144 A can be used efficiently for the dispersion of rutile titanium dioxide in water.

Levels of use between 0.1 and 0.4% (dry product on dry pigment weight) are generally required to disperse titanium dioxide.

• STORAGE

RHEOSPERSE™ 144 A 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, products should be used within 12 months after delivery.

• STANDARD PACKAGING

- Bulk
- 1 000 L containers

• HEALTH & ENVIRONMENTAL DATA

Please refer to the Material Safety Data Sheet.