Dispersant

RD-9150

Characteristics and Benefits:

- RD-9150 is a wetting and dispersing agent for water-based coatings and printing inks. It is particularly suitable for use in resin-based grinding (emulsions and water-soluble resins) as well as pigment concentrate slurries without resin. It has excellent salt spray resistance and alcohol stability.
- Due to its extensive compatibility with many water-based base materials, RD-9150 is the preferred dispersant for resin-based grinding. It can stabilize various pigments, including transparent and opaque organic pigments and carbon black. It can also be used in various applications without resin grinding, even if the grinding material contains organic amines, rheology aids, wetting aids, and organic solvents, it will not pose a problem to its dispersing performance. This high-molecular-weight additive improves color strength, transparency, gloss, and storage stability through a steric stabilization mechanism. It has no negative impact on the stability of pH-sensitive systems, and is therefore particularly recommended for formulations using cationic base materials. In addition, RD-9150 is also suitable for water-based road marking paints.

Product parameters：

Appearance	Translucent liquid
Non-volatile substances (20	40%
Density (20 °C)	1.06 g/ml
Solvent	Water
Acid value	4 mg KOH/g
Amine value	7 mg KOH/g

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Chemical composition	Polyether-modified styrene-maleic anhydride copolymer

Application fields:

Coatings and printing inks, automotive coatings, industrial coatings, printing inks, water-based inkjet, leather coatings, color pastes

Recommended dosage:

Dosage of additives (in purchased form) based on:

Inorganic pigments: 5 - 30%

Titanium dioxide: 4 - 10%

Organic pigments: 50 - 100%

Carbon black: 100 - 230%

Usage method:

To achieve the best performance, the additives must be added to the grinding material. When grinding with resin-containing materials, mix the resin and water together first, and then slowly add the additives while stirring. If the water-soluble base material needs to be neutralized, then the organic amine should be added before RD-9150. For grinding without resin, simply pre-mix the water and additives first. Regardless of the situation, only add the pigment after the additives are uniformly dispersed.

Packaging:

25KG per barrel.

Storage:

Keep away from fire sources, light sources, and store in a dark place.

Precautions:

When the temperature falls below 5°C, separation or cloudiness may occur. Heat to 20°C and stir thoroughly before use

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