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## Dispersant

### RD-9786

#### Features and advantages:

RD-9786 is a polymer dispersant, in the water-based resin containing and resin free system, for high surface carbon black/difficult to disperse organic pigments/inorganic pigments show excellent color development performance and high luster, increase the amount of pigment added while still has low viscosity, good fluidity and storage stability.

#### Product specifications:

|                        |                             |
|------------------------|-----------------------------|
| appearance             | Light yellow viscous liquid |
| Non-volatile component | 99±1%                       |
| Specific gravity       | 1.02g/cm <sup>3</sup>       |
| Chroma (Gardner)       | ≤5                          |
| Boiling point          | ≥150℃                       |
| PH value               | 6-8                         |

#### Recommended dosage calculation formula:

Amount of dispersant (g) = [specific surface area of pigment (m<sup>2</sup>/g) ÷ 500] × weight of pigment (g)



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| Pigment type                            | Inorganic pigment | Organic pigment | Low surface carbon black | High surface carbon black |
|---|-------------------|-----------------|--------------------------|---------------------------|
| Dispersant dosage (100% active content) | 10-30%            | 30-75%          | 40-80%                   | 80-150%                   |

**Scope of application:**

1. Grind and disperse carbon black, organic pigments and inorganic pigments in water-based and alcohol-water system paints and inks.
2. Good compatibility with waterborne acrylic resin emulsion and waterborne polyurethane resin.

**Usage:** Dissolve RD-9786 in the mixture of grinding base material (water) first, and then add pigment for grinding.

**Packing:** Net weight 25Kg/ barrel, 200kg/ barrel.

**Storage:** Keep away from high temperature and ignition sources; Keep in a cool and ventilated place; Please seal after use; The shelf life is 36 months.