**Water-based dispersant**

**RD-9330**

**Product features and advantages:**

It can improve the wetting and dispersion performance of solid or liquid in water, reduce the time required for the dispersion process, and make the material stably dispersed in water. Through the adsorption of hydrophobic groups on the surface of the organic phase dispersed by mechanical forces, the carboxylic acid ions in the molecules provide steric hindrance and electrostatic repulsion, so that the organic phase can be stably suspended in water. It has the best dispersion effect on particles with low surface polarity such as carbon black and organic pigments.

**Product parameter**：

|  |  |
| --- | --- |
| appearance | Beige transparent liquid |
| Effective portion | 40% |
| viscosity | 1500～2000（25℃ mPa·s） |
| PH value | 8（stoste） |
| ionism | anion |
| solvent | Water, ethanol, butyl ether |
| Chemical composition | Carboxylic acid modified polymer solution |

**Field to use:**

Production of water-based universal color paste, inkjet ink, pesticide water suspension agent, PE wax water suspension agent and other fields.

**Recommended dosage：**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| material | Organic pigment | Iron oxide pigment | Carbon black | Titanium dioxide | PE wax powder |
| Pigment content % | 20~30% | 5~10% | 20~30% | 5~7% | 5~10% |

**Usage:** First mix the dispersant and water evenly, adjust the pH value of the aqueous solution to about 8, then add the material to be dispersed, disperse evenly on the machine grinding.