PRODUCT TECHNICAL DATA

Dispersant Xyting® DP-36

Product Description

DP-36 is a novel polymeric surfactant prepared using controlled free-radical polymerization technology. Its molecular backbone is a hydrophobic polyelectrolyte with a regular ABA structure that provides steric adsorption, solvating-chain effects and electrostatic repulsion. As an efficient agrochemical dispersant, it is an excellent dispersant for WDG and is also suitable for DF, SC, WP and other formulations. It can be widely used with many technical materials and is suitable for formulations containing emamectin benzoate, difenoconazole, acetamiprid, pymetrozine, thiamethoxam and similar active ingredients. It has broad adaptability to highly hydrophobic technical materials.

Technical Data

Item	Specification
Appearance @ 25°C	White powder
pH (10% aqueous solution)	10-11
Rotational viscosity (30% aqueous solution)	300-400 cP

Product Features

- High performance with low dosage: excellent product performance can be achieved at a 3%-5% dosage.
- High application efficiency: improves WDG disintegration, suspension stability and redispersion.
- Water-soluble, with especially strong advantages in high-content water-dispersible granule applications.
- Stable storage performance.
- Excellent compatibility: can be mixed with other anionic adjuvants to reduce costs.
- Strong adaptability: provides good dispersion even with ultrafine or unevenly distributed technical materials, or technical materials of lower purity.
- DP-36 has broad applicability and can be used in the processing of insecticide, fungicide and herbicide WDG, SC and other new formulations, with excellent dispersion and stability in practical applications.

Packaging

15 kg/bag.

Storage and Shelf Life

Store in a cool, ventilated warehouse, away from ignition sources and heat, and avoid prolonged storage below 0°C. The storage area should have suitable materials for containing spills.

Storage and Shelf Life (continued)

If the container is opened and the product is not used completely, reseal it to prevent moisture absorption, which may affect the powder's application performance. Shelf life: 2 years. Product that has exceeded the shelf life may still be used if testing confirms compliance with the technical specifications.

Precautions

Use closed operations and local exhaust ventilation. Operators must be specially trained and strictly follow operating procedures. Wear a self-priming half-face dust respirator, safety goggles and latex gloves. Avoid liquid splashing. Handle gently during transport to prevent package damage. Provide spill-response equipment. Conduct a compatibility test before full-scale production.