Wetting Agent

WET-628 Polyether modified polysiloxane spray adjuvant

DESCRIPTION

WET-628 is a high permeability surfactant/wetting agent based on a polysiloxane. It lowers the surface tension of spray solutions, beyond that which is achievable with conventional adjuvants.

TYPE

Polyether modified polysiloxane

KEY FEATURES

- Nonionic
- Medium spreading
- High permeability
- Promotes spray volume reduction
- Promotes rapid uptake of agrochemicals (rainfastness)
- Superspreader for soluble liquid and emulsifiable concentrate formulations

TYPICAL PROPERTIES

Appearance	Colorless clear liquid
Active content (%)	100%
Density (g/cm^3)	1.01
Viscosity (cp, 25 ℃)	100-130
Cloud Point (0.1 wt%), (℃)	49
CAS No.	27306-78-1
Surface tension (0.1%, dyn/cm)	<22.5

APPLICATION

Plant Growth Regulators	0.025% to 0.05%
Herbicide	0.025% to 0.15%
Insecticide	0.025% to 0.1%
Fungicide	0.015% to 0.05%
Fertilizers and Micronutrients	0.015% to 0.1%

Note: use rates are dependent on crop, agrochemical and spray volume requirements.

STORAGE AND HANDLING

- Available in 25 kg/barrel or 200kg/barrel
- Store products in tightly closed original containers at 5-40℃
- Shelf life: 12 months from delivery date
- According to non-dangerous goods transport

Anhui Sinograce Chemical Co., Ltd. **Add.: Hefei city, Anhui province, China**
Tel: +86-0551-63459511 **Mob: +86 15855525589**
Email: sales@sinogracechem.com

IN AGROCHEMICAL FORMULATIONS

- WET-628 may be used as a component in agrochemical formulations. Although organosilicone surfactants are subject to hydrolysis under acidic or basic conditions, optimum performance is achieved by buffering the formulation to pH 6.5-7.5. Additionally, it is recommended that WET-628 spray adjuvant be used at a concentration of at least 5%, based on the total formulation.

HOW TO USE

A TANK MIX ADJUVANT

- WET-628 spray adjuvant, when used as a tank-side adjuvant may be used to improve spray coverage, improve uptake or to allow for a reduction in spray volume. WET-628 spray adjuvant is most effective as a tank-side adjuvant when spray mixtures are 1) within a pH range of 5-8, and 2) used within 24 hours of preparation.
- High spray volumes, coupled with high surfactant rates, are not required to achieve sufficient coverage with WET-628 spray adjuvant. In fact, it has the potential to provide adequate coverage in many low volume spray applications at rates between 0.025% and 0.1%.

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