**Wetting Agent**

**WET-618 Modified heptamethyltrisiloxane spray adjuvant**

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| **Description** | WET-618 is a high superspreading surfactant modified by trisiloxane ethoxylate with super low surface tension. It lowers the surface tension of spray solutions, beyond that which is achievable with conventional adjuvants. |
| **Type** | Polyalkyleneoxide modified heptamethyltrisiloxane |
| **Key Features** | * Comparable with Silwet L77 * Nonionic * Superspreader * Improves spray coverage * Promotes spray volume reduction * Promotes rapid uptake of agrochemicals (rainfastness) |
| **Typical Properties** | |  |  | | --- | --- | | Appearance | Colorless clear liquid | | Active content (%) | 100% | | Density (g/cm3) | 1.01 | | Viscosity (cp, 25 ℃) | 20-50 | | Cloud Point (0.1 wt%), (℃) | <10 | | CAS No. | 27306-78-1 | | Surface tension (0.1%, dyn/cm) | <20.5 | |
| **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 |
| **How to use** | **In Agrochemical Formulations**   * WET-618 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-618 spray adjuvant be used at a concentration of at least 5%, based on the total formulation.   **A Tank Mix Adjuvant**   * WET-618 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-618 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-618 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%. |