

Silwet™ OC Adjuvant Concentrate

Description

Silwet OC adjuvant concentrate is a synergistic combination of organosilicone and nonionic surfactants for use in petroleum oils. This new product allows formulators to develop potentially cost-effective adjuvant blends with petroleum oil base stocks. The addition of Silwet OC adjuvant concentrate to petroleum oils results in excellent spreading and penetration, in addition to improved adhesion when compared to conventional petroleum oil concentrates (POC), which are also commonly referred as crop oil concentrates (COC).

Key Features and Typical Benefits

- Super spreader
- Potential for lower spray volumes
- Lower dynamic surface tension for better foliar adhesion and pesticide efficiency
- Mixes readily with a variety of petroleum oils
- Easy to disperse in water and tank mix applications
- Equivalent efficacy at lower use rates than commercial petroleum oils
- Meets EPA 40 CFR §180.910 requirements⁽¹⁾

Typical Physical Properties

| Property | Value |
|---|-------------------------|
| Appearance | Clear, colorless liquid |
| Viscosity 25 °C, cPs (#1 spindle at 50 rpm) | 17 – 24 |
| pH Stability, 25 °C (10% aqueous solution) | 6 - 8 |
| Spreading Diameter (0.2% solution) | 25 – 30 mm |
| Density, (g/cc at 22 °C) | 0.91 |

| | |
|-------------|-------------|
| Pour Point | 0 °C |
| HACH Number | 0.4 – 2 NTU |

Typical properties are average data and are not to be used as or to develop specifications.

(1) The components meet the requirements of U.S. regulation EPA 40 CFR §180.920, and therefore are exempt from tolerances when used as an inert ingredient in agricultural applications in accordance with the other conditions of that regulation.

General Conditions for Use

Silwet OC adjuvant concentrate is to be used as the surfactant component of petroleum oil adjuvants. It can be added directly to the oil to provide better spreading and foliar adhesion, which may result in lowering overall petroleum use rates in spray applications. Formulations may contain 10-20% of the Silwet OC adjuvant concentrate depending on the desired degree of spreading and the economics of the spray treatment.

See the Silwet OC adjuvant concentrate marketing bulletin for typical recommended starting dose levels.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their

own determination as to fitness of use in their particular applications.

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