

Silwet[™] 641 Concentrate

Description

Silwet 641 concentrate is a synergistic combination of nonionic and organosilicone surfactants allowing formulators to develop a potentially cost-effective adjuvant mix using methyl soyate, which has been shown to not have the environmental impact of many other surfactants.

The superior super-spreading behavior of Silwet 641 concentrate on most foliar surfaces combined with methyl soyate's rapid penetration through the cuticular layer, may help create an effective spray formulation of pesticide treatments.

Key Features and Typical Benefits

- Enhanced spreading
- Low dynamic surface tension for enhanced foliar contact
- Formulated without NPE
- Easy to disperse
- Meets EPA 40 CFR §180.920 requirements⁽¹⁾
- OMRI Listed for organic use

Typical Physical Properties

Property	Value
Appearance	Colorless, clear to slightly hazy liquid
Cloud Point, °C	45
Viscosity (cPs at 25 °C)	70
Aqueous pH (10%)	6.8
Spread Diameter, mm (0.25%)	48

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.

Potential Applications and Use Rates

See the Silwet 641 concentrate marketing bulletin for sample formulations.

General Conditions for Use

Silwet 641 concentrate may be considered for use as a surfactant component in methylated seed oil based adjuvants. It can be added directly to such formulations to provide better spreading during spray applications. Typical formulation use levels range from 10% to 30% depending on the spreading/uptake properties desired.

Silwet 641 concentrate should not be used with mineral oil or standard vegetable oil.

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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