

Silwet™ Hydrostable 212 Silicone Surfactant

Product Description

Silwet hydrostable 212 silicone surfactant is an organomodified copolymer that can provide surface tension reduction and superspreading properties to aqueous solutions while remaining stable in formulations from pH 2-12.

Key Features and Typical Benefits

Silwet hydrostable 212 silicone surfactant can reduce surface tension in aqueous solutions at use levels up to 1.0% by weight. Typical recommended starting levels are 0.1%.

Silwet hydrostable 212 silicone surfactant can provide surface tension reduction down to 26.7 mN/m. It also assists aqueous solutions to wet most substrates with contact angles near 0/1° on high and low energy surfaces. Silwet hydrostable 212 silicone surfactant solutions may provide spread areas 150 times greater than the corresponding volume drop of pure water, and 25 times greater than conventional surfactants.

Typical associated benefits are antifogging, sheeting, quick-dry, hard water spot elimination, and penetration of the solution delivering dissolved materials to otherwise unreachable locations sometimes increasing the efficacy of actives.

Typical Physical Properties

Appearance	Yellow to amber liquid
Viscosity at 25 °C, cSt	20
Surface Tension (0.1%), mN/m	26.7
Pour Point, (°C)	2
Flash Point, PMCC, °C (°F)	165 (329)
Specific Gravity at 25 °C, g/mL	1.00
Solubility (5%)	
<ul style="list-style-type: none"> • Water 	Dispersible
<ul style="list-style-type: none"> • Methanol 	Soluble
<ul style="list-style-type: none"> • Isopropanol 	Soluble
<ul style="list-style-type: none"> • Mineral Oil 	Dispersible

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

Potential Applications

Silwet hydrostable 212 silicone surfactant may be considered for use in home care formulations where pH can be controlled between 2 and 12. Examples of such potential applications include tub and tile cleaners, toilet bowl cleaners, oven cleaners, rust removers, drain cleaners, stain removers and disinfectants.

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.

Customer Service Centers

For additional information, please contact our Customer Service Team

AMERICAS	+1 800 295 2392 Toll Free* +704 805 6946 Direct Number
LATIN AMERICA	BRAZIL +55 11 4534 9650 Direct Number MEXICO +52 55 2169 7670 Direct Number *All American countries
EMEA – EUROPE, MIDDLE EAST, AFRICA & INDIA	EUROPE +390510924300 Direct Number INDIA, MIDDLE EAST & AFRICA +91 44 71212207 Direct Number* *All Middle Eastern countries, Africa, India, Pakistan, Bangladesh, Sri Lanka
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260 Hudson River Road
Waterford, NY 12188 USA
momentive.com