

SILWET* HS-604

Description

Silwet HS-604 penetrant is a new pH-stable silicone co-adjuvant. It is a potentially cost effective product to lower the total adjuvant use in many in-can glyphosate and related herbicide formulations, typically without compromising herbicide performance. Silwet HS-604 penetrant is a nonionic version of Silwet HS-508 penetrant, providing a comparable level of performance.

Key Features and Benefits

- penetrant to enhance glyphosate uptake
- potentially 60% lower adjuvant rate for in-can herbicides
- lower adjuvant level has shown reduced eye irritation effects relative to 12% TAE loaded glyphosate formulations
- low foaming
- nonionic
- meets EPA 40 CFR §180.910 requirements⁽¹⁾

(1) The components meet the requirements of U.S. EPA regulation 40 CFR §180.910, and are therefore exempt from tolerances in food when used as an inert ingredient in agricultural applications in accordance with the other conditions of that regulation.

Typical Physical Properties

Appearance	Transparent colorless to pale yellow liquid
Surface Tension (0.1%) ^(a) , mN/m	25-29
Spreading Diameter ^(b) , mm	40
Viscosity 25°C, cPs	30-80

Density (estimated), gm/cm ³	1.0
pH Stability	4-10
Solids, %	90

(a) Wilhelmy Plate Method; solutions prepared in 0.005M NaCl

(b) Spreading at 0.1%

Typical data are average data and actual values may vary.

Typical data shall not be used as product specifications.

Patent Status

Standard copy to come

Product Safety, Handling and Storage

Standard copy to come

Limitations

Standard copy to come

Contact Information

For product prices, availability, or order placement, contact our customer service at Momentive.com/CustomerService/

For literature and technical assistance, visit our website at: www.momentive.com

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