

LOW FOAMING



FOR HI&I CLEANING

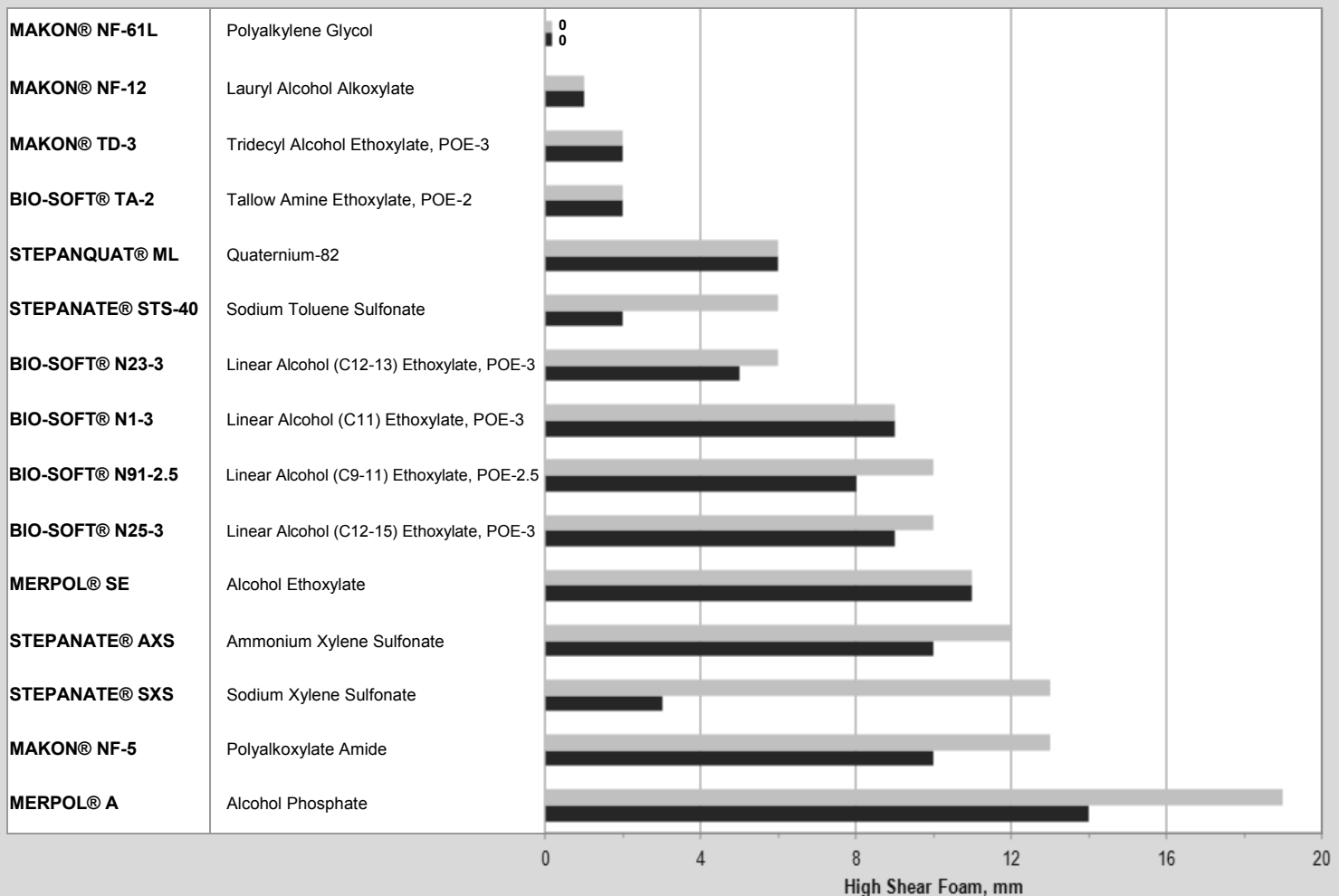
Foam is an important property of surfactants in household applications, where foam signals cleaning to the user. In contrast, foam is often disruptive to the cleaning process for industrial and institutional (I&I) applications. Stable foam inhibits mechanical action so that the cleaning solution does not come into contact with the surface being cleaned, diminishing cleaning efficiency. This sales tool highlights the top 15 Stepan surfactants that generate little to no foam. Low foam is defined as initial foam volume that is 30 mm or less via the High Shear Foam Test.

TYPICAL APPLICATIONS:

- ◆ Clean-In-Place (CIP)
- ◆ Machine Floor Scrubbing
- ◆ Ware Washing
- ◆ Cleaning in Food and Beverage Production
- ◆ Automatic Dishwash Detergents
- ◆ Parts Washing
- ◆ Metal Cleaning
- ◆ Industrial and Commercial Laundry

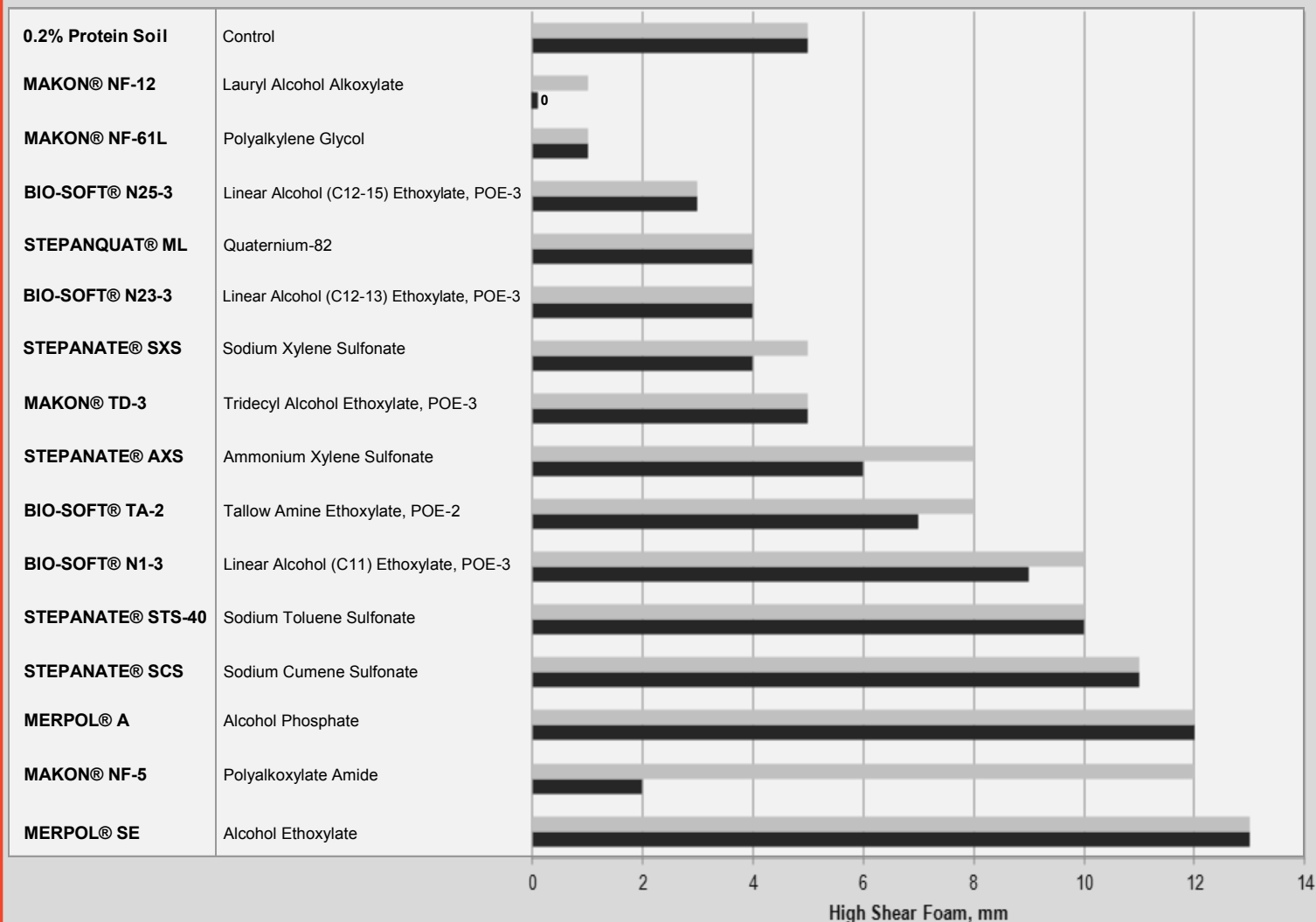
HIGH SHEAR FOAM TEST RESULTS (WITHOUT SOIL)

■ Initial ■ 5 min



HIGH SHEAR FOAM TEST RESULTS (WITH SOIL)

■ Initial ■ 5 min



NOTES:

- ◆ High Shear Foam Test Method: ASTM D3519-88 analyzed at 25°C.
- ◆ Protein soil solutions generate foam. Surfactants that exhibited ~10mm or less foam were tested again at 60°C with 0.2% protein soil to evaluate their ability to suppress foam generated from the soil.
- ◆ All products are stocked at our Joliet, IL packaged warehouse with the exception of MAKON® NF-61L, MAKON® TD-3, MERPOL® SE, and STEPANATE® STS-40.

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