

HIGH FOAMING

FOR HI&I CLEANING

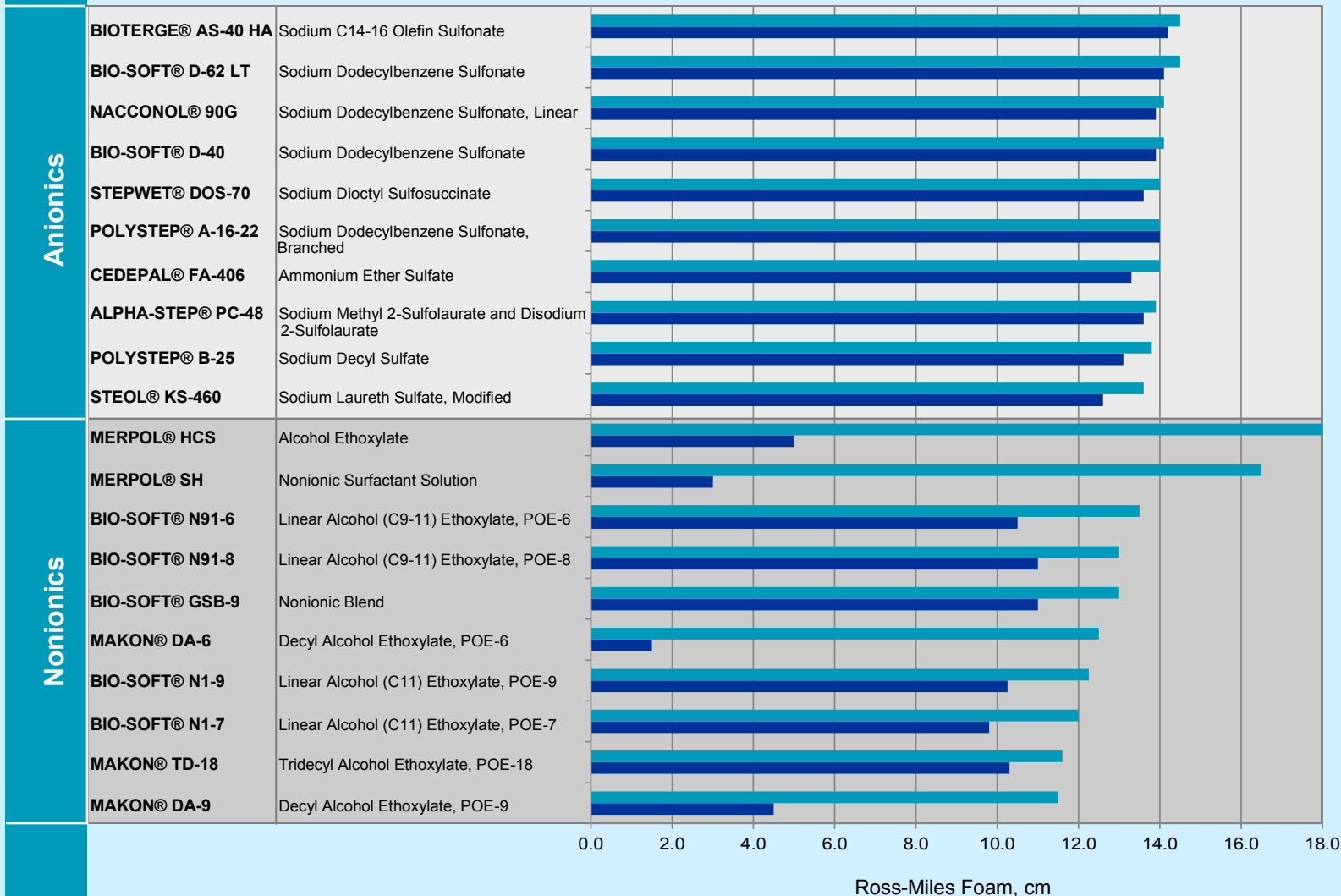
Foaming is an important aspect of surfactants for hard surface cleaning. It signals the presence of cleaning agents that are available to remove soils, and, therefore, is an aesthetic confirmation of the presence of a surfactant in the cleaning formula. This sales tool highlights Stepan surfactants that have the ability to generate high foam. High foam is defined as initial foam volume of greater than 10 cm per the Ross-Miles Foam Test.

TYPICAL APPLICATIONS:

- ◆ Liquid Hand Dishwash
- ◆ Foaming All-Purpose Cleaners
- ◆ Foaming Bathroom Cleaner
- ◆ Foaming Glass Cleaner
- ◆ Vehicle Care - Manual and Automatic
- ◆ Carpet Pre-Spotter

ROSS-MILES FOAM TEST RESULTS ANIONICS AND NONIONICS

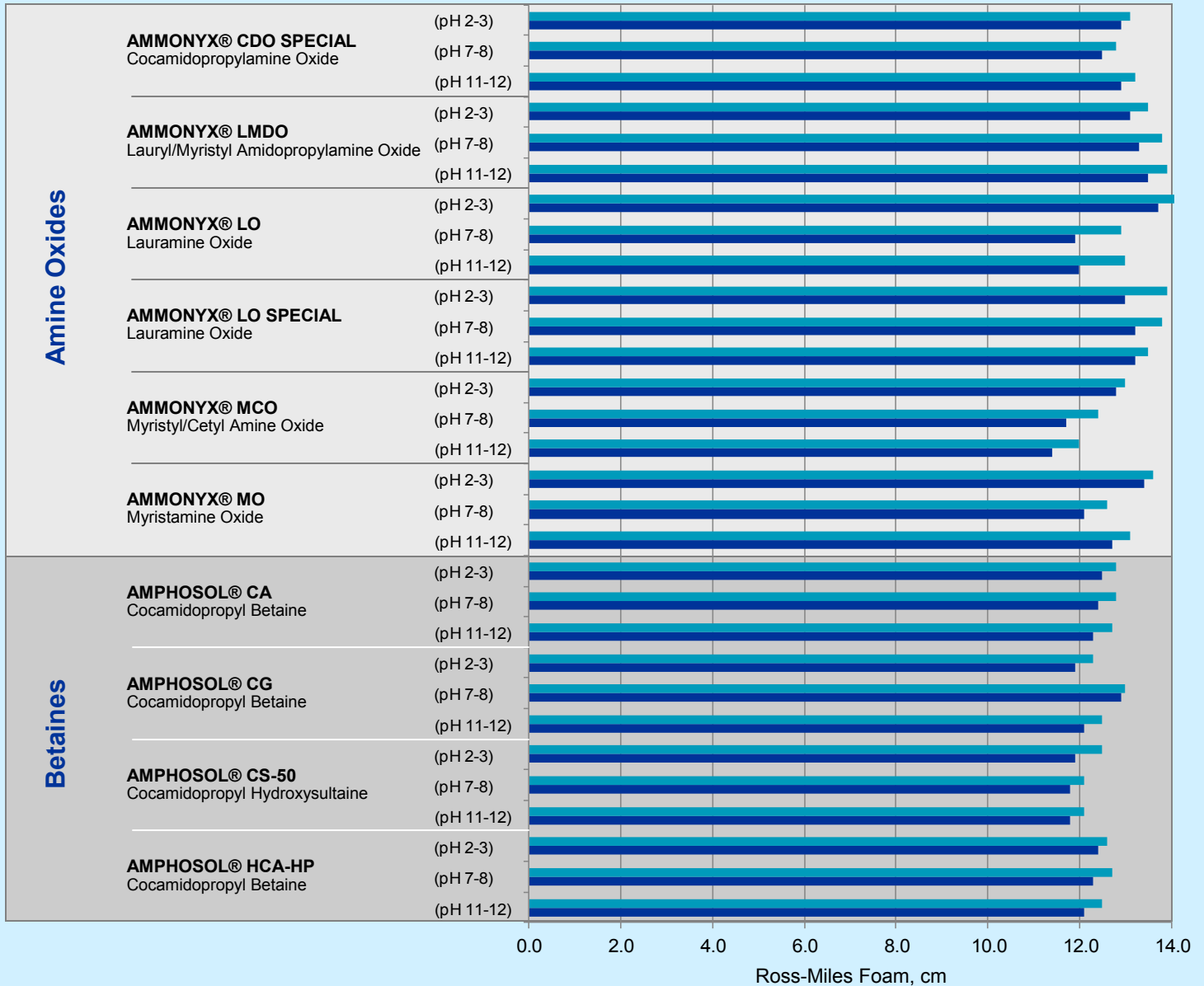
■ Initial ■ 5 min



ROSS-MILES FOAM TEST RESULTS

AMPHOTERICIS

■ Initial ■ 5 min



NOTES:

- ◆ AMPHOSOL® and AMMONYX® were evaluated at acidic, neutral and alkaline pH because the pH may affect their foaming capabilities. All other products were evaluated at neutral pH.
- ◆ All products are stocked at our Joliet, IL packaged warehouse with the exception of AMMONYX® LO SPECIAL, AMPHOSOL® HCA-HP, BIO-TERGE® AS-40 HA, MAKON® DA-6, MAKON® DA-9, MAKON® TD-18, and STEPWET® DOS-70.
- ◆ MERPOL® HCS, MERPOL® SH, MAKON® DA-6, and MAKON® DA-9 show high initial flash foam, followed by fast breaking foam. This feature may be useful for applications such as freezer cleaners, bathroom cleaners, and oven cleaners.
- ◆ Ross-Miles Foam Test Method: Stepan Method 010-0 (ASTM D1173-53, 2001)

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