

# Hi-Foam

LIQUID COCO MEA



Excellent foam booster

Nitrosamine-free

Non-irritating



**CHEMREZ**  
TECHNOLOGIES



# HI-FOAM

## LIQUID FOAM BOOSTERS

Hi-Foam is a nitrosamine-free, EO-free and DEA-free mild foam booster and stabilizer. It is formulated to complement the alkyl ether sulfate or fatty acid soap based surfactants. It is delivered in a liquid to paste form to allow easy addition in liquid soaps, shampoos, bath soaps, powder and bar detergents.

### FEATURES AND BENEFITS

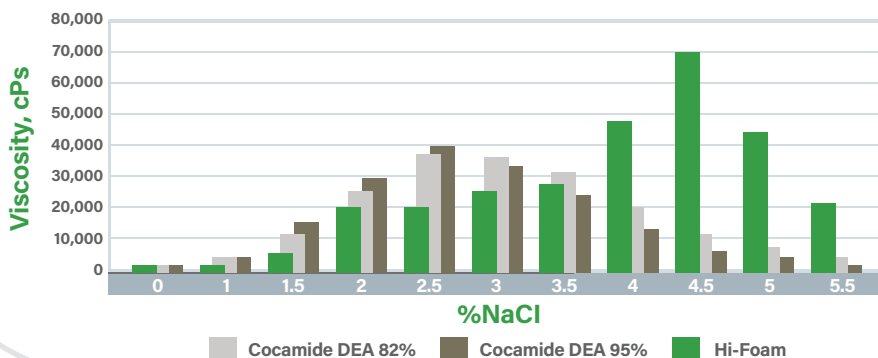
- Nitrosamine-free, EO-free and DEA-free
- Excellent foam booster and stabilizer
- Derived from sustainable coconut oil
- Cold processable, no heating required
- Easy to handle

### PHYSICO-CHEMICAL PROPERTIES

Appearance	clear viscous liquid
pH (10% solution)	5-7
Density	1.04 – 1.06
Viscosity (S 64, 10 rpm)	7,000 cPs minimum
Color APHA	300 max

### APPLICATION PROPERTIES

**VISCOSITY PROFILE WITH SODIUM CHLORIDE**  
(SURFACTANT SYSTEM: 11.9% SLES/3.0% CAPB/2% TEST SAMPLE)



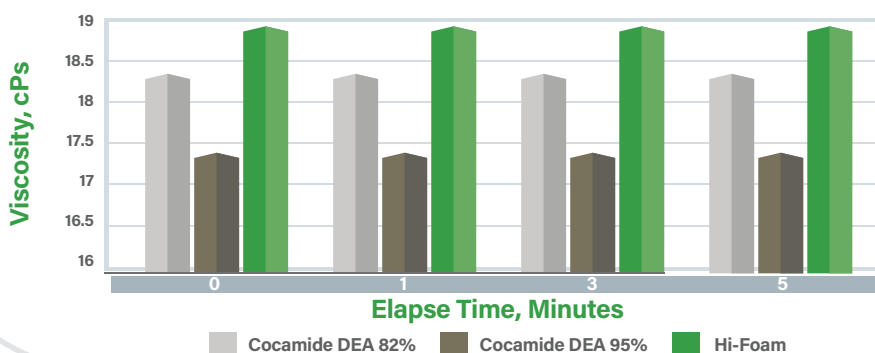
### VISCOSITY BUILDING

Hi-Foam viscosity profile is compared against Cocamide DEA 82% & Cocamide DEA 95%. Sodium chloride is used as an electrolyte in SLES/CAPB surfactant system.

Figure 1 shows that Hi-Foam has comparable viscosity profile

Viscosity profile with the addition of sodium chloride in SLES/CAPB surfactant system at 2% application dosage.

**FOAM HEIGHT USING 1% SOLUTION**  
(SURFACTANT SYSTEM: 11.9% SLES/3.0% CAPB/2% TEST SAMPLE)



### FOAMING CHARACTERISTICS

The foaming characteristics of Hi-Foam is compared against standard Cocamide DEA 82% and Cocamide DEA 95%.

Figure 2 shows that Hi-Foam is superior in foam test.

Foam volume generated in SLES/CAPB surfactant system at 2% application dosage.