



Cola[®]Teric CBS-HP (ME)

Glycerin-Free Sultaine Amphoteric

INCI Cocamidopropyl Hydroxysultaine (Fatty Acid)

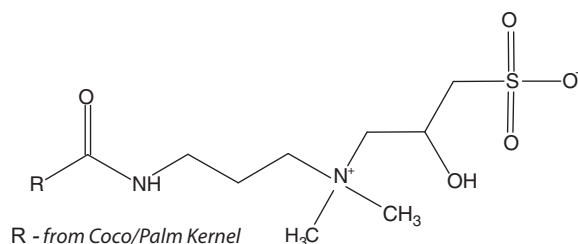
Cola[®]Teric CBS-HP (ME) is a glycerin-free amphoteric surfactant in the sultaine class. Cola[®]Teric CBS-HP (ME) exhibits outstanding surface activity, wetting, foaming, and compatibility in a wide variety of applications. Due to its amphoteric nature, Cola[®]Teric CBS-HP (ME) is compatible with cationic, anionic, and nonionic surfactants. The compatibility and stability of formulations containing Cola[®]Teric CBS-HP (ME) are maintained over a broad pH range.

Cola[®]Teric CBS-HP (ME) is compatible and stable in systems containing acids, alkali, electrolytes and detergent builders. Cola[®]Teric CBS-HP (ME) has excellent lime soap dispersing properties. Cola[®]Teric CBS-HP (ME) is a mild detergent that will help stabilize foam and build viscosity.

Cola[®]Teric CBS-HP (ME) is free of preservatives, allowing greater formulator flexibility for all type of cleansing formulations. Cola[®]Teric CBS-HP (ME) also displays greater hydrotropic properties than Betaines to deliver extra clarity in household and personal care formulas.

COLA[®]TERIC SULTAINES ARE "GREENER"

More natural raw materials are used in the manufacture of Cola[®]Teric cocamidopropyl hydroxysultaine than other leading brands. For formulators interested in making their product more eco-friendly, Cola[®]Teric sultaines offer greener and more sustainable characteristics.



TYPICAL PROPERTIES

Appearance	Clear Yellow Liquid
Ionic Character	Amphoteric
Solids, %	48.0 – 50.0
NaCl, %	7.0
pH (10% as is in deionized water)	7.5 – 8.5
Color, Gardner '98	2
% Glycerin	0

BENEFITS

- High foaming amphoteric surfactant derived from fatty acids
- Mild on skin and eyes
- High electrolyte tolerance
- Compatible with a broad surfactant range
- Develops higher viscosity than the triglyceride-based Cola[®]Teric CBS
- No preservatives

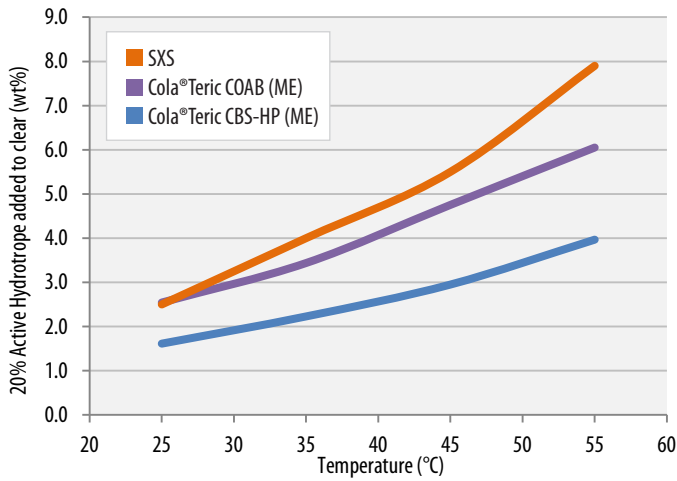
APPLICATIONS

- Shampoos
- Bath Gels
- Body Washes
- Liquid Hand Soaps
- Towelettes for Personal Care
- Transportation Washes

WETTING AND FOAM PERFORMANCE

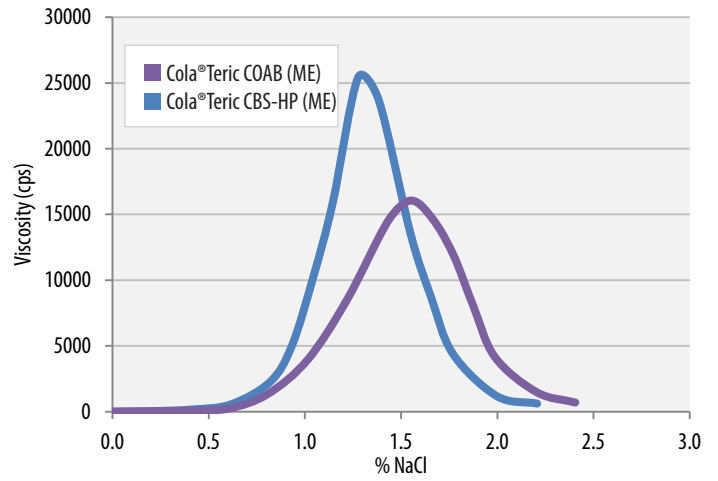
Draves Wetting, 1% active, sec	25.4		
Ross-Miles	Immediate	1 min	5 min
1% active, tap water	190	175	170
1%, 2% NaCl water	195	175	165

HYDROTROPE PERFORMANCE TEST



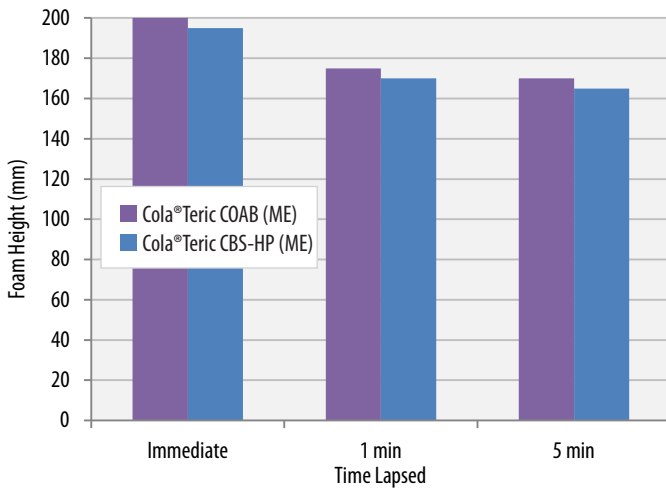
20% Active Cola®Teric Comparisons • Solution: 1% Surfonic L12-6 in 10% KOH

SALT PERFORMANCE TEST



Test Solution: Water, SLS, SLES-2, Amphoteric + Cola®Liquid DC (ME) (all) 1.5
COAB (ME): 75/10/10/5; CBS-HP (ME): 74.8/10/10/3.7

FOAM PERFORMANCE TEST



Test Solution: Water, SLS, SLES-2, Amphoteric
COAB (ME): 75/10/10/5; CBS-HP (ME): 76.3/10/10/3.7

STORAGE / HANDLING

Cola®Teric CBS-HP (ME) should be stored in closed containers. Frozen material may be thawed in a warm room, venting drums while warming. Shipped in poly drums (net weight 227 kg). Also available in totes (net weight 1021 kg). Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at www.colonialchem.me.

