



# Cola<sup>®</sup>Teric CBS-HP MB

Glycerin-Free Sultaine Amphoteric | Mass Balance RSPO

**INCI** Cocamidopropyl Hydroxysultaine (Fatty Acid)  
**CAS** 68139-30-0  
**LISTINGS** TSCA, REACH (Pre-Registered), DSL, AICS, PICCS, IECSC, NZIoC



9-2222-17-100-00

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

In industrial applications, Cola<sup>®</sup>Teric CBS-HP MB is compatible and stable in systems containing acids, alkali, electrolytes and detergent builders. Cola<sup>®</sup>Teric CBS-HP MB has excellent lime soap dispersing properties. Cola<sup>®</sup>Teric CBS-HP MB is a mild detergent that will help stabilize foam and build viscosity.

Cola<sup>®</sup>Teric CBS-HP MB is free of processing aids and preservatives, allowing greater formulator flexibility for all type of cleansing formulations. Cola<sup>®</sup>Teric CBS-HP MB also displays greater hydrotroping properties than Betaines to deliver extra clarity in household and personal care formulas.

## COLA<sup>®</sup>TERIC SULTAINES ARE "GREENER"

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

## 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<sup>®</sup>Teric CBS
- No preservatives

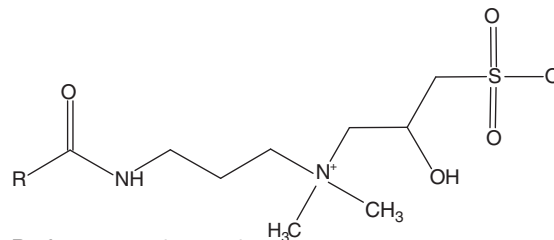
## APPLICATIONS

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

*Typical Use Level: 1 – 10%*

## TYPICAL PROPERTIES / STRUCTURE

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



R - from Coco/Palm Kernel

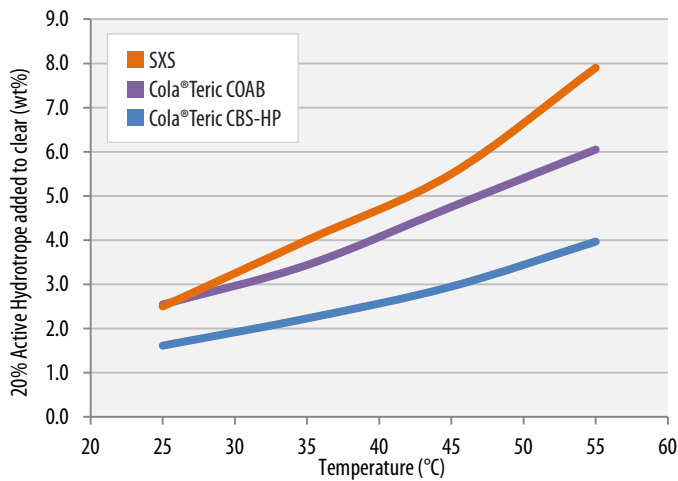
## WETTING AND FOAM PERFORMANCE

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

**Cola<sup>®</sup>Teric CBS-HP MB** is Readily Biodegradable (OECD 301D; 28 days)

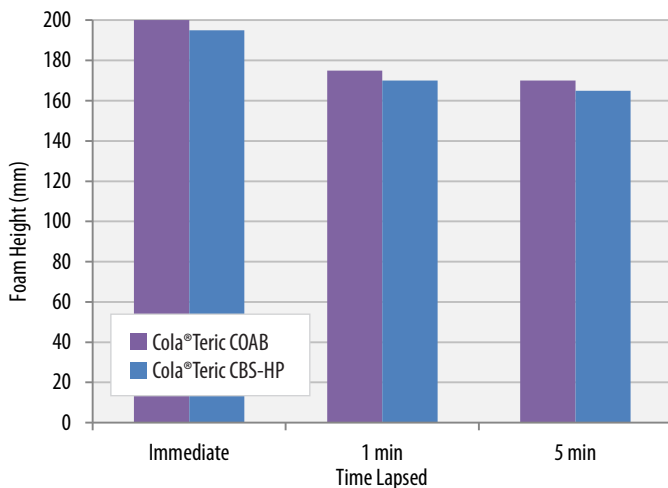
**Cola<sup>®</sup>Teric CBS-HP MB** is rated as 75% bio-based.

## HYDROTROPE PERFORMANCE TEST



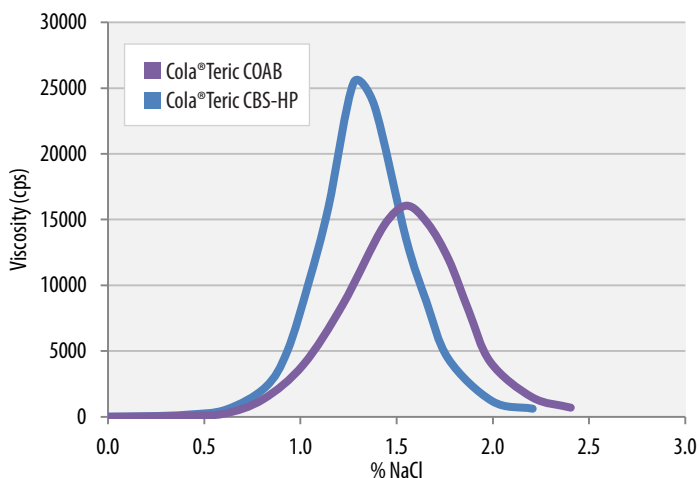
20% Active Cola®Teric Comparisons • Solution: 1% Surfonic L12-6 in 10% KOH

## FOAM PERFORMANCE TEST



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

## SALT PERFORMANCE TEST



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

## FORMULATION *Natural, Sulfate-Free Bath Gel*

INGREDIENT	%
1 Water	qs to 100.00
2 <b>Suga®Nate 160NC</b>	19.20
3 <b>Cola®Mate LA-40</b>	4.00
4 <b>Cola®Teric CBS-HP MB</b>	9.60
5 Fragrance (Island Luau)	0.20
6 Preservative (Kathon CG)	0.05
7 Citric Acid	qs to pH 5.3

### Procedure:

Combine ingredients 1-2. Heat to 45°C. Add remaining ingredients. Adjust pH to 5.0 - 5.5 with citric acid.

### Typical Properties:

Appearance: Clear      pH: 5.3      Viscosity: 7200 cps

## STORAGE / HANDLING

Cola®Teric CBS-HP MB should be stored in closed containers. Frozen material may be thawed in a warm room, venting drums while warming. Shipped in 55 gallon poly drums (net weight 500 lb/227 kg). Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at [www.colonialchem.com](http://www.colonialchem.com).

## ADDITIONAL LISTINGS



Whole Foods Premium Body Care  
USDA Biopreferred Product

## MASS BALANCE

In keeping with Colonial Chemical's commitment to sustainable raw material sourcing, Cola®Teric CBS-HP MB is derived from sustainably sourced palm oil that is certified Mass Balance from the Roundtable on Sustainable Palm Oil (RSPO). More information on [www.RSPO.org](http://www.RSPO.org).



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## Colonial Chemical

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*Innovative Specialty Surfactants*