



Cola®Teric CBS-HP

Glycerin-Free Sultaine Amphoteric

INCI CAS LISTINGS

Cocamidopropyl Hydroxysultaine (Fatty Acid)
68139-30-0, (Alt 691400-36-9)
US (Cosmetics Use Only); Canada (DSL); EU (REACH); Australia (AIIIC); China (IECSC/IECIC); Korea (KECI); Philippines (PICCS); New Zealand (NZIOC); Taiwan (TCSI)

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

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

Cola®Teric CBS-HP is free of preservatives, allowing greater formulator flexibility for all type of cleansing formulations. Cola®Teric CBS-HP also displays greater hydrotrope 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.

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

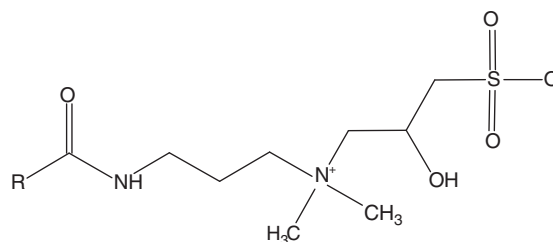
APPLICATIONS

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

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



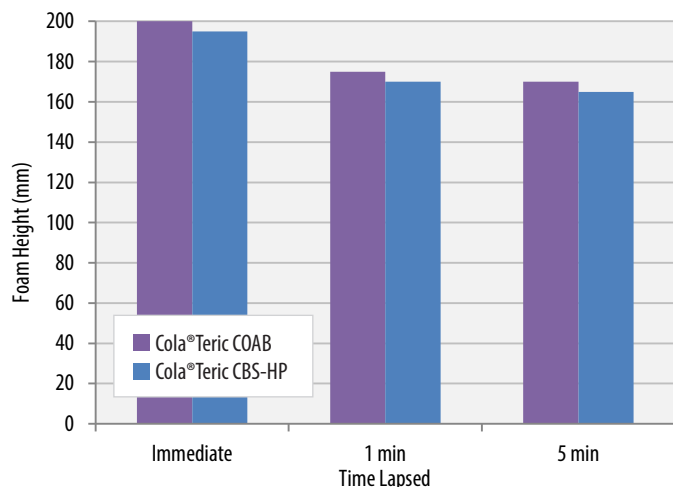
R - from Coco/Palm Kernel

WETTING AND FOAM PERFORMANCE

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

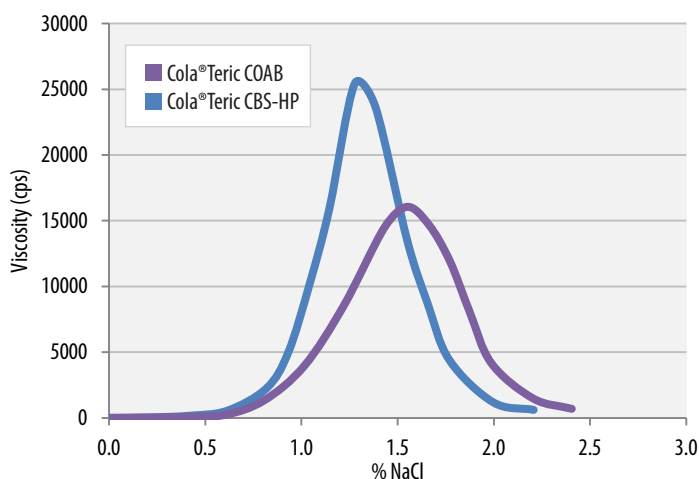
Cola®Teric CBS-HP MB is Readily Biodegradable (OECD TG 310)

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 Sensitive Skin Wash (Sulfate-Free)

INGREDIENT	%
1 Water	qs to 100.00
2 Polyquaternium-7	2.00
3 Cola®Teric CBS-HP	8.00
4 Suga®Nate 160NC	15.00
5 Suga®Det LSLG MB	7.50
6 Suga®Det LSDG	7.50
7 Cola®Lipid C	1.50
8 Sodium Benzoate and Potassium Sorbate	1.00
9 Fragrance	0.20
10 Citric Acid	qs to pH 5.0 – 5.5

Procedure:

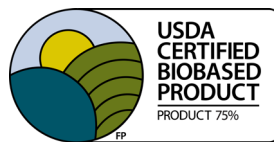
Combine ingredients 1-9 in order. Mix until clear and uniform. Adjust pH to 5.0 - 5.5 with ingredient 10 (~0.35%).

Typical Properties:

Appearance: Clear, Viscous Liquid pH: 5.0 – 5.5 Viscosity: 4,000 – 8,000 cps
Surfactant Solids: 14.5 – 16.0%

Cola®Teric CBS-HP is “Derived Natural” with a Natural Origin Index of 0.75 in accordance with ISO 16128 guideline.

ADDITIONAL LISTINGS



FORMULATION Natural Body Wash (Betaine-Free)

INGREDIENT	%
1 Water	qs to 100.00
2 Suga®Nate 160NC	19.20
3 Cola®Mate LA-40 MB	4.00
4 Cola®Teric CBS-HP	9.60
5 Fragrance	0.20
6 Preservative	qs
7 Citric Acid	qs to pH

Procedure:

Combine ingredients 1-2. Heat to 45° – 50°C. Add ingredients 3 and mix until completely dissolved. Cool below 40°C and add remaining ingredients. Adjust pH to 5.0 - 5.5 with citric acid (viscosity is pH dependent).

Typical Properties:

Appearance: Clear Liquid pH: 5.0 - 5.5 Viscosity: 8,000 cps

STORAGE / HANDLING

Cola®Teric CBS-HP 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). Also available in totes (net weight 2250 lb/1021 kg). Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at www.colonialchem.com.



Colonial Chemical

225 Colonial Drive • South Pittsburg, TN 37380
Phone: 423-837-8800
www.colonialchem.com

Innovative Specialty Surfactants