



Cola[®]Teric CBS-UL

Sultaine Amphoteric Co-Surfactant / Exceptionally Light Color

INCI NAME Cocamidopropyl Hydroxysultaine
CAS NUMBER 68139-30-0
LISTINGS EU (REACH); Canada (DSL); US (TSCA); Australia (AICIS); China (IECSC/IECIC); Philippines (PICCS); New Zealand (NZIOC); Taiwan (TCSI)

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

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

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.

Cola[®]Teric CBS-UL is rated as 76% biobased.

BENEFITS

- High foaming amphoteric surfactant derived from coconut oil
- Preservative-free
- Mild on the skin and eyes
- Excellent foaming over broad pH ranges
- Greatly improves the foam quality of formulated systems
- Compatible with all surfactant classes

Cola[®]Teric CBS-UL is Readily Biodegradable (OECD 301D; 28 days) This product meets the criteria for a surfactant under the EU Detergents Regulation (EC) 648/2004.

APPLICATIONS

- 2 in 1 Shampoos, Bar Soap, Bath Gels, Body Washes
- Facial Cleansers
- Ethnic Products
- Liquid Hand Soaps, Towelettes

Typical Use Level: 1 – 10%

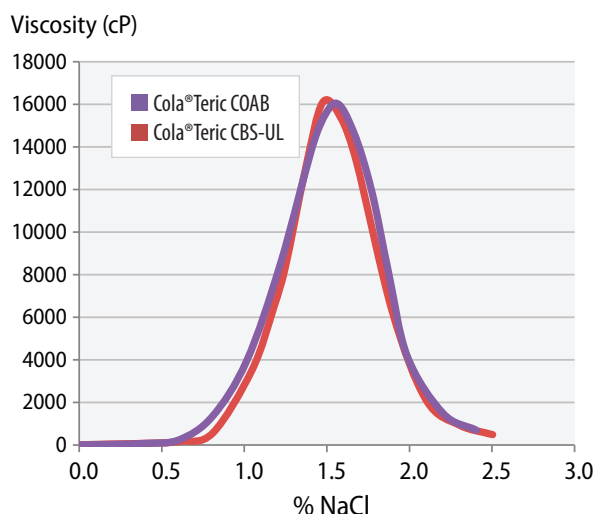
TYPICAL PROPERTIES

Appearance	Clear Liquid
Solids, %	48.0 – 50.0
NaCl, %	7
pH (10% as is in deionized water)	7.0 – 8.5
Color, APHA	100 Max.

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

SALT PERFORMANCE TEST



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

Clean & Simple Face Wash

#2070

This sulfate-free daily face wash is designed with safe, mild ingredients. Featured products include plant-based Suga®Citrate L1C, Cola®Teric BBS, Cola®Teric CBS, and Cola®Mate LA-40 to create a gentle lather that effectively lifts away dirt and oils. Also featured are skin-conditioning Cola®Lipid C and moisture-locking Cola®Moist 200 so your skin is left feeling healthy, not tight or dry.

	INGREDIENT	%
1	Water	qs to 100.00
2	Suga®Citrate L1C / Disodium Laurylglucosides Hydroxypropyl Citrate	15.00
3	Cola®Mate LA-40 / Disodium Lauryl Sulfosuccinate	7.00
4	Cola®Teric BBS / Babassuamidopropyl Hydroxysultaine	7.00
5	Cola®Teric CBS-UL / Cocamidopropyl Hydroxysultaine	5.00
6	Cola®Lipid C / Cocamidopropyl PG-Dimonium Chloride Phosphate	0.50
7	Cola®Moist 200 / Hydroxypropyl Bis-Hydroxyethylidimonium Chloride	3.00
8	Fragrance	0.15
9	Euxyl® K900 / Benzyl Alcohol and Ethylhexylglycerin and Tocopherol	0.70

Procedure:

Combine ingredients 1 – 2 and heat to 45 – 50°C Add ingredient 3 and mix until completely dissolved. Add ingredients 4 – 7 while beginning to cool. Once uniform, add ingredients 8 – 9 and continue mixing until clear. Adjust pH as necessary with citric acid (viscosity is pH dependent, increasing at lower pH).

Typical Properties:

Appearance	Clear, Viscous Liquid
pH	5.0 – 5.5
Viscosity	2,000 – 4,000 cP
% Solids	16.4 – 17.6%



USDA Biopreferred Product @ 76%

Cola®Teric CBS-UL is "Derived Natural" with a **Natural Origin Index of 0.76** in accordance with ISO 16128 guideline.

STORAGE / HANDLING

Cola®Teric CBS-UL 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/226.7 kg). Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at www.colonialchem.com.



Colonial Chemical

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Innovative Specialty Surfactants