



Cola[®]Teric CAHS

Mild Amphoteric Surfactant

INCI Sodium Cocoampho hydroxypropylsulfonate
CAS 68604-73-9
LISTINGS US (TSCA); Canada (DSL); New Zealand (NZIoC); Philippines (PICCS); Taiwan (TCSI); Australia (AICIS)



Cola[®]Teric CAHS is a biodegradable amphoteric surfactant suitable for all types of foaming cleansers. This product lowers overall irritation when used in formulation with other commonly used primary surfactants. It is an ideal replacement for amphotoacetate chemistry, offering higher biorenewable content, improved compatibility with hard water, and higher purity. Cola[®]Teric CAHS is especially well suited for gentle personal care products.

BENEFITS

- Effective viscosity modifier
- Excellent flash foam
- Builds rich lather
- Soap and hard water tolerant
- No Prop 65 components
- No added preservatives

APPLICATIONS

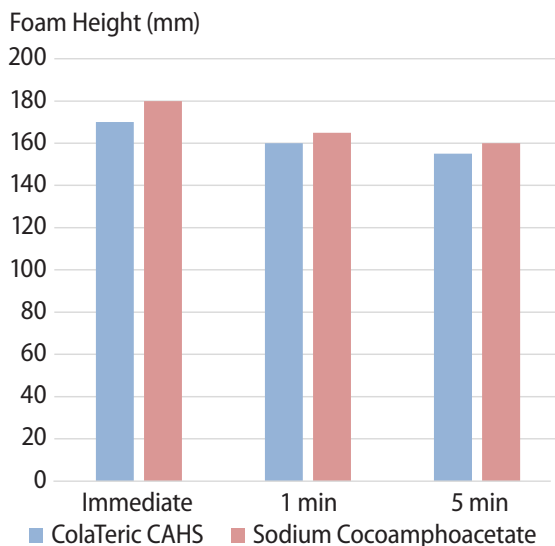
- Shampoos
- Body washes
- Facial cleansers
- Hand washes
- Baby wipes

TYPICAL PROPERTIES

Appearance	Clear Liquid
% Solids	47
pH (10% aqueous)	8
% NaCl	5
Color, Gardner BYK	3

Ross-Miles Foam Comparison

ColaTeric CAHS offers identical foam performance compared to a standard cocoamphoacetate.



Low Irritation

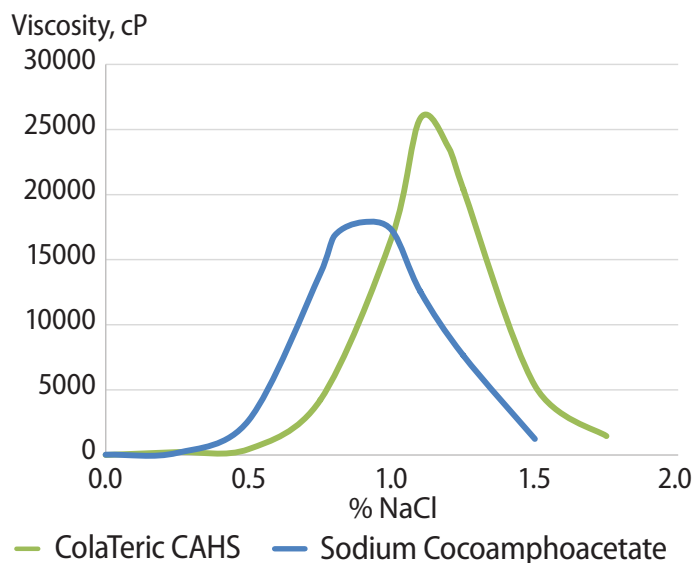
- ColaTeric CAHS is measured at 4% solids for a Draize *equivalent* score of **6.1** and considered **"Minimally Irritating."**

This score correlates to the OECD TG 405 Acute Eye Irritation/Corrosion (Draize) Test which is globally approved, completely cruelty-free and mathematically correlated to the Draize equivalent score.

Viscosity Build in Sulfate Cleanser

ColaTeric CAHS offers superior viscosity building capability compared to traditional amphoacetate with only slightly more salt required. The added salt requirement can easily be compensated in formulation with nonionic surfactants like polyglycerol esters and alkanolamides.

Ingredient	ColaTeric CAHS	Sodium Cocoamphoacetate
Water	74.63	74.46
Colonial SLS	10.00	10.00
Colonial SLES-2	10.00	10.00
ColaTeric CAHS	3.87	-
Sodium Cocoamphoacetate	-	4.04
ColaLiquid DC	1.50	1.50
Citric Acid 50%	qs to pH 6	qs to pH 6



Cola[®]Teric CAHS is “Derived Natural” with a Natural Origin Index of 0.81 in accordance with ISO 16128 guideline.



Cola[®]Teric CAHS contains 81% USDA certified biobased content.

5% AHA Facial Cleanser

#2074

Revitalize dull skin with this AHA face wash that effectively cleanses and improves skin tone. This cleanser is made with 5% lactic acid for gentle non-abrasive exfoliation that removes dead skin cells to give a brighter, even complexion. Featured ingredients include Cola[®]Teric CAHS to reduce irritation and skin-conditioning Cola[®]Lipid C so skin is left feeling soft and smooth, never stripped.

	TRADE NAME / INCI NAME	%
1	Water	qs to 100.00
2	Colonial AOS-40 UP / Sodium C14-16 Olefin Sulfonate	36.50
3	Cola[®]Teric CAHS / Sodium Cocoamphoxypropylsulfonate	12.00
4	Cola[®]Teric CBS / Cocamidopropyl Hydroxy-sultaine	1.50
5	Cola[®]Lipid C / Cocamidopropyl PG-Dimonium Chloride Phosphate	1.50
6	PURAC [®] HS 90 / Lactic Acid	5.56
7	Euxyl [®] K712 / Sodium Benzoate and Potassium Sorbate	1.00
8	Fragrance	0.20

Procedure:

Combine ingredients 1 – 5 with moderate mixing. Once uniform add ingredients 6 – 8. Continue mixing until clear and uniform.

Typical Properties:

Appearance	Clear, Viscous Liquid
pH	3.0 – 4.0
Viscosity	3,000 – 4,000 cP
% Solids	120.3 – 21.8%

STORAGE / HANDLING

Cola[®]Teric CAHS should be stored in original sealed containers. Shipped in 55 gallon poly drums (net weight 450 lb/204 kg). Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found online at www.colonialchem.com.



Colonial Chemical

Innovative Specialty Surfactants

www.colonialchem.com