



# Cola<sup>®</sup>Teric LMHS

Mild, Foam-Boosting Sultaine Surfactant

**CHEMICAL NAME** Lauramidopropyl Hydroxysultaine  
**CAS NUMBER** 19223-55-3  
**LISTINGS** US (TSCA); Canada (NDSL); New Zealand (NZIoC); Japan (ENCS)

**Cola<sup>®</sup>Teric LMHS** is compatible with anionic, nonionic, amphoteric and cationic surfactants. When compared to lauramidopropyl betaine, Cola<sup>®</sup>Teric LMHS exhibits excellent dispersing, emulsifying, antistatic characteristics and better flash foam and viscosity building capacity with lauryl sulfates and alpha olefin sulfonates. Cola<sup>®</sup>Teric LMHS is stable over a broad pH range in both hard and soft water with excellent lime soap dispersing properties. Cola<sup>®</sup>Teric LMHS is fully biodegradable.

- Stable over broad pH range in both hard and soft water
- Excellent lime soap dispersing properties
- Improves flash foam and viscosity building capacity with lauryl sulfates and alpha olefin sulfonates
- Fully biodegradable
- Prop 65 compliant
- Builds high viscosity in formulation
- Excellent compatibility with anionic, nonionic, amphoteric and cationic surfactants
- Mild surfactant, can reduce the irritation of the other surfactants



### TYPICAL USE LEVELS

Shampoos	2 – 5%
Liquid Soaps	3 – 6%
Bathroom Cleaners	1 – 10%
Body Cleansers	2 – 5%
Hand Dishwash	5 – 10%
Oil Field Foamer	As Needed

Superior mild shampoos, high foaming bath products and liquid soaps may all be formulated with Cola<sup>®</sup>Teric LMHS.

### TYPICAL PROPERTIES

Appearance @ 25°C	Clear Liquid
Solids, % (2 g, 1 hr)	48.0
pH, 10% aqueous	8.5
NaCl, %	8 Max.
Color, Gardner BYK	4 Max.

### Ross-Miles Foam Height, mm (1% active)

Immediate	170
1 minute	165
5 minutes	155

### Draves Wetting, sec (1% active)

17.7
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### EYE IRRITATION TESTING

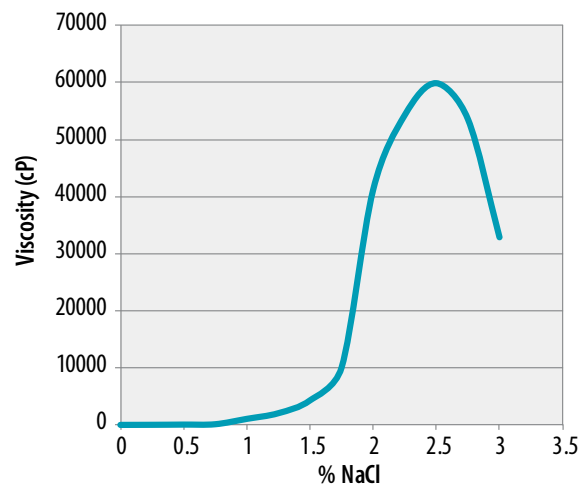
MatTek EpiOcular<sup>™</sup> Eye Irritation Test  
 4% Cola<sup>®</sup>Teric LMHS (20%)  
**14 mins.** (ET-50 score) *Mildly irritating*

### VISCOSITY DEVELOPMENT

Thick viscosity is effectively generated with salt.

Formulation:

Cola <sup>®</sup> Teric LMHS	3.7
Sodium Laureth Sulfate	34.5
Cocamide DEA	2.5
Water	59.3



## FORMULATION

### Natural Hand Soap (Sulfate-Free)

#4021

INGREDIENT	%
1 Water	qs to 100.00
2 <b>Suga®Nate 160NC</b> (Sodium Laurylglucosides Hydroxypropylsulfonate)	21.00
3 <b>Cola®Mate LA-40</b> (Disodium Lauryl Sulfosuccinate)	5.00
4 <b>Cola®Teric LMHS</b> (Lauramidopropyl Hydroxysultaine)	9.50
5 Fragrance (Fruity Woody Fragrance - Orchidia)	0.20
6 MicroCare® SB (Sodium Benzoate and Potassium Sorbate)	1.00
7 Citric Acid	qs

*Mixing directions:* 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 Liquid  
pH: 5.0 – 5.5  
Viscosity: 5,000 – 7,000 cP



GreenStar™ Rating of **7.73**



## STORAGE AND HANDLING

Cola®Teric LMHS is shipped in 55 gal. poly drums, net weight 500 lbs (226.7 kg) or bulk. Cola®Teric LMHS should be stored in closed containers. Shelf life is 12 months from date of manufacture. A Safety Data Sheet is available at [www.colonialchem.com](http://www.colonialchem.com).



## Colonial Chemical

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*Innovative Specialty Surfactants*