



Cola[®]Teric 2CM-40CG

Salt-Free, Methanol-Free Amphoteric Surfactant

INCI NAME Disodium Cocoamphodipropionate
CAS NUMBER 68604-71-7
LISTINGS US (TSCA); EU (REACH); Canada (DSL); Australia (AICS); New Zealand (NZIoC); China (IECSC); Philippines (PICCS); Korea (ECL)

Cola[®]Teric 2CM-40CG is a salt-free, methanol-free amphoteric surfactant with mild characteristics useful in a variety of formulations. Cola[®]Teric 2CM-40CG is used to couple conditioning agents into cleaners such as shampoos and body washes, and provides high foam for body washes, baby shampoos and other mild personal care products. It also has the potential to reduce irritation in other surfactants used in the formulation.



Cola[®]Teric 2CM-40CG is also used in industrial cleaners to couple nonionic surfactants into high levels of electrolytes. Cola[®]Teric 2CM-40CG has broad pH range stability and ideal for systems where sodium chloride would harm the performance of the final product or present potential corrosion issues.

APPLICATIONS

- Shampoos
- Hair relaxers
- Body, hand and facial cleansers
- Mild personal care products
- Male grooming - hair, face, body
- All-purpose cleaners
- Alkaline built cleaners

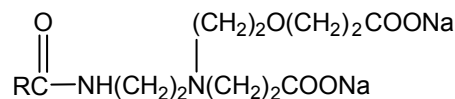


BENEFITS

- Salt-free, methanol-free
- Counter-irritant for harsh surfactants
- Contribute mild detergency
- Couple cationics into anionic based systems

TYPICAL PROPERTIES / STRUCTURE

Appearance	Clear Liquid
pH, as is	9.5
% Solids	40.0
% Sodium Chloride	0.0
Color, Gardner '98	4
% Methanol	0.0



Where RCO⁻ represents the fatty acids derived from coconut oil

PERFORMANCE

Foaming Ross Miles (1% active)

Immediate	180
1 Min.	165
5 Min.	160

Caustic Solubility

30% NaOH	Clear viscous liquid
35% NaOH	Clear gel
50% NaOH	Insoluble

FORMULATION

Salt-Free, Sulfate-Free Ethnic Shampoo

INGREDIENT	%
1 Water	qs to 100.00
2 Cola®Carb TDC	8.00
3 Potassium Hydroxide	0.80
4 Perlastan® L-30	5.00
5 Cola®Teric 2CM-40CG	12.00
6 Cola®Mate DSLS	3.00
7 Liponate® SB-50	2.00
8 Crothix™-PA	2.00
9 Poly Suga®Mulse D9	1.00
10 Fragrance, Preservative	qs

Procedure:

Combine ingredients 1 – 2. Adjust pH to 6.0 with Potassium Hydroxide. Add ingredients 4 – 7. Heat to 50 – 60°C. Add ingredient 8. Mix until completely dissolved. Cool to 45°C. Add remaining ingredients.

Typical Properties:

Appearance: Clear Liquid pH: 6.0 Viscosity: 3,000 cps



EYE IRRITATION

HET-CAM: *Hen's Egg Test Chorioallantoic Membrane:* Moderate irritation potential in vivo, score of **10.0**.

STORAGE AND HANDLING

Cola®Teric 2CM-40CG should be stored in closed containers. Shelf life is 12 months from date of manufacture. Safety Data Sheet available at www.colonialchem.com.

PACKAGING

Cola®Teric 2CM-40CG is shipped in poly 55-gal drums, net weight 450 lbs (204.1 kg).



Colonial Chemical

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Innovative Specialty Surfactants