



Cola[®]Teric CA-35

High-Foaming Amphopropionate

INCI NAME Sodium Cocoamphopropionate

CAS NUMBER 93820-52-1

LISTINGS Canada (DSL), Australia (AICS), China (IECSC/IECIC), New Zealand (NZIOC), Taiwan (NECI)

Cola[®]Teric CA-35 is a high foaming amphoteric surfactant that provides effective detergency, wetting, and hydrotrope properties in various electrolyte systems. It produces high foam and dense lather [Ross-Miles foam (0.1% aq.) 160mm – initial, 160mm – after 5 minutes].

Cola[®]Teric CA-35 is completely salt-free and offers the formulator the opportunity of reacting Cola[®]Teric CA-35 with any acid or base he or she chooses to prepare the corresponding salt. This avoids the contamination of the product with unwanted inorganic salts.

Cola[®]Teric CA-35 offers excellent chemical stability, solubility and surface active properties, making this compound a valuable aid in formulating a wide range of cosmetic products.

The low irritation of Cola[®]Teric CA-35, along with its high foaming and dense foam properties, make this product ideal for shampoos, bubble baths and skin cleansers.

Cola[®]Teric CA-35 is compatible with high electrolyte solutions and is stable in strong acid alkalis. Solutions of 10% CA-35 are stable in 25% NaOH and also in 10% H₂SO₄.

TYPICAL PROPERTIES

Appearance @ 25°C	Clear Liquid
pH, 10% aqueous	5.8
Moisture, %	65.0

PERFORMANCE

Surface Tension Reduction vs. Concentration @ 25°C

% Active Cola [®] Teric CA-35 in use dilutions	Surface Tension (dynes/cm)
1.000	30.4
0.100	29.5
0.010	30.5
0.001	33.0

Hydrotrope Properties

Active weight % Cola[®]Teric CA-35 required for 70°C Cloud Point

% Nonionic*	% NaOH		
	5%	10%	15%
1%	0.38	1.07	2.86
3%	1.28	3.76	9.62
5%	2.15	6.42	---

* Igepal CO – 710 (Rhône-Poulenc)

Solubility in Electrolytes Cola[®]Teric CA-35 10%

% Sodium Chloride		% Sodium Hydroxide	
10%	Clear	20%	Clear
20%	Clear	25%	Clear
27% (Sat.)	Clear	30%	Clear Gel

% Sodium Metasilicate (5 H ₂ O)		% Calcium Chloride	
10%	Clear	40%	Clear
20%	Clear		
30%	Clear		

STORAGE / HANDLING

Shipped in poly 55-gal drums, net weight 450 lbs (204.1 kg). Shelf life is 12 months from manufacture date. A Safety Data Sheet is available at www.colonialchem.com.

Colonial Chemical

225 Colonial Drive • South Pittsburg, TN 37380

Phone: 423-837-8800 • Fax: 423-837-3888

www.colonialchem.com

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