



# Cola<sup>®</sup>Teric CDB

Betaine Surfactant

**INCI NAME** Cetyl Betaine  
**CAS NUMBER** 693-33-4 and 683-10-3  
**LISTINGS** USA (TSCA); EU (REACH Preregistered); Canada (DSL); Australia (AICS); Philippines (PICCS); New Zealand (NZIoC); China (IECSC); Japan (ENCS)

**Cola<sup>®</sup>Teric CDB** is derived from natural fatty acids. It is a mild, unique secondary surfactant that can improve the viscosity response of sulfate-free and conventional anionic surfactant systems. Cola<sup>®</sup>Teric CDB is formulated for cold processing and easy handling and can also be used as a primary surfactant, foam booster or static control agent. Cola<sup>®</sup>Teric CDB is compatible with anionic, nonionic and cationic surfactants.

## APPLICATIONS

- Shampoos and Shower Gels
- Bubble Baths
- Baby Products
- Hand Soaps
- Facial Cleansers
- Pet Shampoos
- Hair Conditioners and Cream Rinses

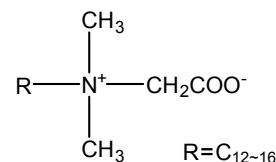
## BENEFITS

- Secondary or primary surfactant
- Viscosity builder
- Foam booster
- Antistatic agent
- Anionic, nonionic and cationic compatible
- Readily biodegradable
- Increased foam density for creamy lather
- Alcohol-free



## TYPICAL PROPERTIES / STRUCTURE

Appearance	Clear Liquid
pH, 10% aqueous	6.5
% Solids (2g/1hr)	37
% Active	30
% NaCl	6.2
Color, Gardner '98	1
Viscosity @ 25°C	300 cps
Specific Gravity	1.06
% Free Amine	0.2
Draves wetting speed (sec) @ 1% active	3.7
Ross Miles Foam Height (mm) @ 1% active	
Immediate	165
1 min.	155
5 mins.	145
Surface Tension (dynes/cm)	
Test @ 0.1%	36.9
Test @ 0.01%	36.5
Test @ 0.001%	39.2



## EYE IRRITATION

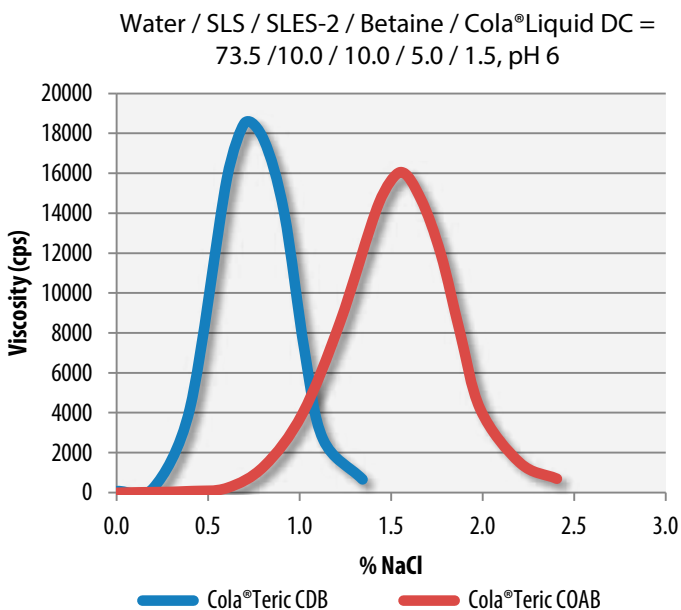
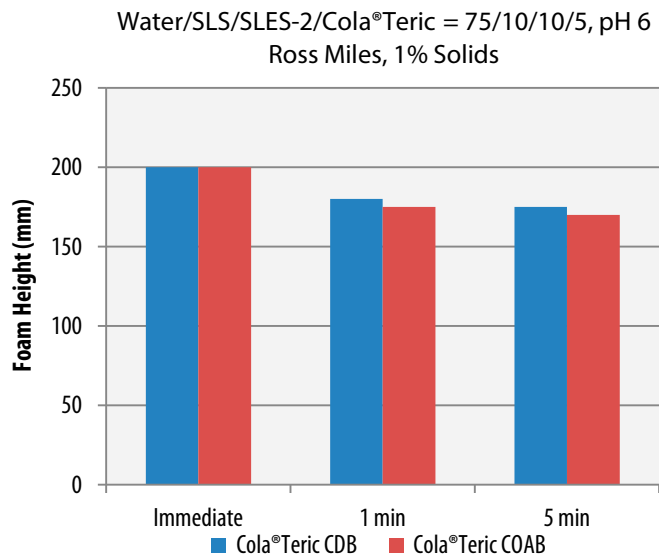
**HET-CAM:** *Hen's Egg Test Chorioallantoic Membrane:* Moderate irritation potential in vivo, score of **12.25** (4% solids).

## ACUTE SKIN IRRITATION

**48 Hour occlusive skin patch test:** *On human volunteers - 50/50 Test Subjects:* **no** visible skin reaction, **no** potential for dermal irritation.

## PERFORMANCE TESTING

Cola®Teric CDB yields similar foam heights to Cocamidopropyl Betaine (Cola®Teric COAB), while offering improved viscosity performance and generating denser foam structures.



## FORMULATION

### Economy Natural Hand Soap (Easy Blend) #4015

INGREDIENT	%
1 Water	qs to 100.00
2 <b>Cola®Det KC-40</b>	30.00
3 <b>Cola®Teric CDB</b>	10.00
4 Sodium Chloride	6.00
5 Green Tea Fragrance (Premier)	0.20
6 Preservative	qs

#### Procedure:

Combine ingredients 1-3. Heat to 45°C and add remaining ingredients, mixing until clear and homogenous.

#### Typical Properties:

Appearance: Clear Liquid pH: 9.0 – 9.5

Viscosity: 3,000 cps

## FORMULATION

### Economy Sulfate-Free Shower Gel #2027

INGREDIENT	%
1 Water	qs to 100.00
2 <b>Colonial AOS-40</b>	30.00
3 <b>Cola®Teric CDB</b>	10.00
4 Sodium Chloride	2.80
5 Green Tea Fragrance (Premier)	0.20
6 Preservative	qs

#### Procedure:

Combine ingredients in order with adequate mixing between additions. Adjust pH to 6.0 – 6.5.

#### Typical Properties:

Appearance: Clear Liquid pH: 6.0 – 6.5

Viscosity: 15,000 cps

## STORAGE AND HANDLING

Cola®Teric CDB should be stored in closed containers. Shelf life is 24 months from date of manufacture. A Safety Data Sheet is available at [www.colonialchem.com](http://www.colonialchem.com).

## PACKAGING

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



## Colonial Chemical

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[www.colonialchem.com](http://www.colonialchem.com)

*Innovative Specialty Surfactants*