



Cola[®]Teric HBS

Sultaine Amphoteric from Hemp Seed Oil

INCI Cannabisamidopropyl Hydroxysultaine

CAS 68139-30-0

LISTINGS USA (TSCA), Canada (DSL), EU (REACH), Australia (AICS), China (IECSC/IECIC), Philippines (PICCS), New Zealand (NZIOC), Taiwan (TCSI)

Cola[®]Teric HBS is an extremely mild surfactant from hemp seed oil, harvested sustainably and grown in soils which are challenging for traditional seed crops. ColaTeric HBS provides superior skin feel and can replace traditional alkanolamides in cleansing applications, especially sulfate-free and PEG thickeners systems.

BENEFITS

- Excellent viscosity building properties
- Can replace alkanolamides or ethoxylated thickeners
- Especially well suited for sulfate-free systems
- Adds luxurious feel to cleansers
- PEG-free
- Preservative-free
- NO Prop 65 components

APPLICATIONS

- Sulfate-free systems
- Facial cleansers
- Shampoos
- Bath gels
- Soap-based liquid cleansers



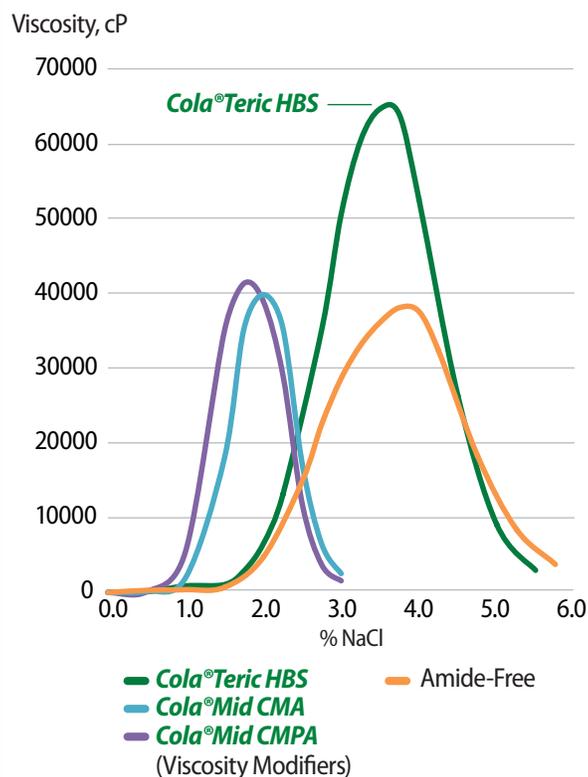
TYPICAL PROPERTIES

Appearance	Clear Amber Liquid
Ionic Character	Amphoteric
Solids, %	49.0
NaCl, %	5.0
pH (10% as is / deionized water)	8.0
Color, Gardner '98	5

PERFORMANCE TESTING

Traditional alkanolamides improve viscosity performance primarily by reducing the amount of salt needed to reach a target viscosity. Incremental viscosity boosting can be realized, but is typically relatively small. ColaTeric HBS can dramatically increase the overall salt response.

INGREDIENT	AMIDE-FREE	+ COLA [®] TERIC HBS OR AMIDE
Water	qs to 100.00	qs to 100.00
Colonial SLS	10.00	10.00
Colonial SLES-2	10.00	10.00
Cola[®]Teric COAB	5.00	5.00
Viscosity Modifier HBS, CMA or CMPA	-	1.00
Citric Acid, 50%	qs to pH 6	qs to pH 6



Foaming Face Wash (Palm-Free, Coconut-Free) No. 2061

Formulated with naturally-derived ingredients to help cleanse, refresh, and address the needs of normal skin. For an everyday gentle clean that keeps you feeling fresh. Provides moisturizing, softening, and antioxidants from grapeseed oil-based Cola®Lipid GS. Specially designed to be free of palm oil, coconut oil, sulfates, and betaines.

	TRADE NAME / INCI NAME	%
1	Water	qs to 100.00
2	Vegetable Glycerin	2.00
3	Cola®Teric BBS / Babassuamidopropyl Hydroxysultaine	10.00
4	Cola®Teric HBS / Cannabis Seedamidopropyl Hydroxysultaine	5.00
5	Cola®Lipid GS / Sodium Grapeseedamidopropyl PG-Dimonium Chloride Phosphate	3.00
6	<i>Euxyl® K712</i> / Sodium Benzoate and Potassium Sorbate	1.00
7	Fragrance	0.20
8	Citric Acid, 50%	qs to pH

PROCEDURE:

Combine ingredients 1 – 7 in order, mixing until clear and uniform. Adjust pH to 5.0 – 5.5 with citric acid.

TYPICAL PROPERTIES:

Appearance: Clear Liquid
pH: 5.0 – 5.5
Viscosity: < 50 cP

Cola®Teric HBS is “Derived Natural” with a Natural Origin Index of 0.87 in accordance with ISO 16128 guideline.

Bath & Shower Gel (Sulfate-Free, Amide-Free) No. 2062

Creates a liquid-gel texture, leaves your skin feeling soft, cleansed and gently scented with a fresh and fragrant aroma. Cola®Teric HBS provides a luxurious feel. For everyday use, contains no amides or sulfates. This cold-mix formulation offers excellent viscosity response without the use of additives which require heating.

	TRADE NAME / INCI NAME	%
1	Water	qs to 100.00
2	Colonial AOS-40 UP / Sodium C14-16 Olefin Sulfonate	25.00
3	Cola®Teric CBS / Cocamidopropyl Hydroxysultaine	10.00
4	Cola®Teric HBS / Cannabis Seedamidopropyl Hydroxysultaine	2.00
5	Sodium Chloride	1.75
6	<i>Euxyl® K712</i> / Sodium Benzoate and Potassium Sorbate	1.00
7	Fragrance	0.20
8	Citric Acid, 50%	qs to pH

PROCEDURE:

Combine ingredients 1 – 4, mixing until clear and uniform. Add ingredient 5 and continue mixing until completely dissolved. Add remaining ingredients. Adjust pH to 5.0 – 5.5 with citric acid.

TYPICAL PROPERTIES:

Appearance: Clear Viscous Liquid
pH: 5.0 – 5.5
Viscosity: 5,000 – 10,000 cP

STORAGE / HANDLING

Cola®Teric HBS should be stored in closed containers. Frozen material may be thawed in a warm room, venting drums while warming. Shipped in 55 gallon poly drums (net weight 450 lb/204.1 kg). Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at www.colonialchem.com.



Colonial Chemical

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Innovative Specialty Surfactants