



Cola[®]Teric AV

Acid Thickening Agent

LISTINGS US (TSCA), Canada (NDSL), Australia (AICS), China (IECSC), Philippines (PICCS)

Cola[®]Teric AV is an amphoteric acid thickener that effectively thickens HCl as well as acids, inorganic or organic, in the presence of chloride ions. As a surfactant, Cola[®]Teric AV also provides wetting and detergency properties in acid formulations. It offers viscosity building efficiency, ease of formulation and long-term viscosity stability. Cola[®]Teric AV is ideal for use in acid bowl cleaners, dairy cleaners and a variety of applications where viscous acid solutions are required.

For easiest results, add the Cola[®]Teric AV to the water and then add the acids. For acids that don't contain chloride ions, sodium chloride can be added for effective thickening.

FEATURES

- Long term viscosity stability
- Thickens both inorganic and organic acids
- Provides corrosion inhibition in acids
- Solubilizes easily and quickly
- Improves wetting, cleaning, and foaming

APPLICATIONS

- Toilet bowl cleaners
- Metal and parts cleaning and brightening
- Acid truck cleaners
- Building restoration cleaners
- Dairy cleaners
- Concrete cleaning
- Descaling
- Rust removal
- Enhance or improves disinfecting
- Other vertical surface cleaners



SPECIFICATIONS

Appearance, 25°C	Clear Liquid
pH (as is @ 25°C)	4.8 – 5.6
% Solids	39.0 – 43.0
% Sodium Chloride (by wt.)	4.6 – 5.4
% Active (solids-salt)	33.6 – 38.4



THICKENING RESPONSE

Cola[®]Teric AV and HCl (10%)

ColaTeric AV % (active)	Viscosity (cP)
0.5 %	38.4 cP
1.0 %	98.7 cP
2.0 %	459.4 cP
3.0 %	2172 cP
4.0 %	3674 cP
5.0 %	5496 cP

THICKENING WITH NaCl

	10% Sulfuric		10% Phosphoric	
	2% Active	5% Active	2% Active	5% Active
1% NaCl	440	8200	21	2735
2% NaCl	712	9800	230	5720
3% NaCl	1200	12200	570	7400
4% NaCl	1345	9400	880	8500
5% NaCl	1165	7700	822	8100

THICKENING WITH HCl

	10% Sulfuric	10% Phosphoric
	5% Active	5% Active
1% HCl	3360	17
2.5% HCl	3700	41
5% HCl	4200	260
7.5% HCl	4100	570
10% HCl	4000	2420

Concrete Truck / Wall Cleaner

No. 5038

INGREDIENT	%
1 Water	qs to 100.00
2 Cola®Teric AV	12.40
3 Cola®Dol 900	0.50
4 Hydrochloric Acid, 37%	7.30

Clear to slightly hazy liquid, pH: ~ 1.0, Viscosity: 2015 cP

- Combine ingredients 1 – 2. Heat to 35 – 40°C, mix until uniform. Cool to 25°C, add ingredient 3 – 4, mix until uniform.

Dairy Cleaner

No. 5040

INGREDIENT	%
1 Water	qs to 100.00
2 Cola®Teric AV	12.70
3 Suga®Boost 030	5.00
4 Cola®Cor 100	1.00
5 Citric Acid, 50%	1.50
6 Sodium Chloride	4.40

Clear to slightly hazy liquid, pH: 3.0 – 4.0, Viscosity: 1600 cP

- Combine ingredients 1 – 2. Heat to 35 – 40°C, mix until uniform. Cool to 25°C, add ingredient 3 – 6, mix until uniform.



Green Toilet Bowl Cleaner

No. 5039

INGREDIENT	%
1 Water	qs to 100.00
2 Cola®Teric AV	10.70
3 Suga®Nate 160NC	2.00
4 Citric Acid, 50%	16.00
5 Sodium Chloride	9.00

Clear to slightly hazy liquid, pH: ~ 1.0, Viscosity: 1950 cP

- Combine ingredients 1 – 2. Heat to 35 – 40°C, mix until uniform. Cool to 25°C, add ingredient 3 – 5, mix until uniform.

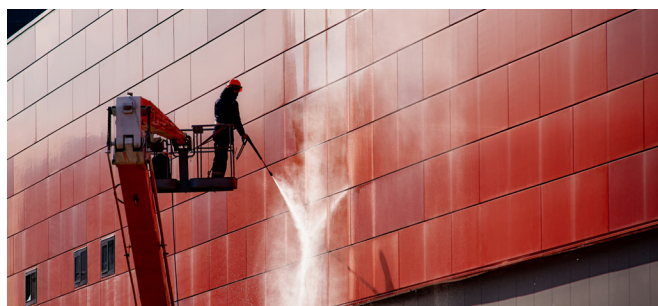
Acid Transportation Cleaner

No. 5041

INGREDIENT	%
1 Water	qs to 100.00
2 Cola®Teric AV	12.30
3 Cola®Dol 900	0.50
4 Phosphoric Acid, 75%	12.50
5 Sodium Chloride	3.00

Clear to slightly hazy liquid, pH: ~ 1.0, Viscosity: 1950 cP

- Combine ingredients 1 – 2. Heat to 35 – 40°C, mix until uniform. Cool to 25°C, add ingredient 3 – 5, mix until uniform.



STORAGE AND HANDLING

Cola®Teric AV should be stored in closed containers. Shelf life is 24 months from date of manufacture. Cola®Teric AV is shipped in 55-gallon open head steel drums, net weight 450 lbs (204.1 kg). Complete Safety Data Sheet may be downloaded at www.colonialchem.com.



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Innovative Specialty Surfactants