



# Cola<sup>®</sup>Teric JEM

Low Foaming Surfactant

**DESCRIPTION** Mixed C8 Amphocarboxylates

**LISTINGS** US (TSCA); EU (REACH); Japan (ENCS); Philippines (PICCS); Korea (ECL)

Cola<sup>®</sup>Teric JEM, derived from mixed caprylic and ethylhexoic acids, is a surfactant with low foaming characteristics that is stable in alkaline medium. Cola<sup>®</sup>Teric JEM can be sprayed onto dry caustic soda, which will not discolor even after prolonged storage. Cola<sup>®</sup>Teric JEM is recommended for use in bottle washing compounds, wax stripping formulations, for alkaline degreasing (containing 12 to 18% caustic soda) and electrolytic degreasing.



## PERFORMANCE

Cola<sup>®</sup>Teric JEM reduces the surface tension of water and 4% caustic soda solutions, as the following typical results demonstrate:

Cola <sup>®</sup> Teric JEM, %	Dynes/cm in 4% NaOH	Dynes/cm in H <sub>2</sub> O
1.0	29.0	28.7
0.5	29.1	29.3
0.25	29.8	29.8
0.12	32.3	30.5
0.06	35.1	30.9

Wetting and penetrating properties of Cola<sup>®</sup>Teric JEM were tested by the Draves-Clarkson Test in 20% caustic solution at 20°C. A sinking time of 41 seconds was obtained with only 0.175% Cola<sup>®</sup>Teric JEM. Wetting times were shorter at higher temperatures.

## TYPICAL PROPERTIES

	Cola <sup>®</sup> Teric JEM
Appearance	Clear Liquid
pH, (as is @ 25°C)	10.0 – 10.5
Solids, %	33.0 – 36.0
Sodium Chloride, %	5.0 – 6.0
Color, Gardner '98	5 Max.

## STARTING FORMULATIONS

### Bottle Washing Concentrate

INGREDIENT	%
1 Water	qs 100.00
2 Sodium Gluconate	20.00
3 Cola <sup>®</sup> Teric JEM	1.50
4 EDTA	5.00
5 Nonoxynol-15	0.50

This concentrate is to be metered into the caustic bottle washing solution. A suggested ratio is one part concentrate to one hundred parts of 6% sodium hydroxide solution. However, this ratio may be varied depending on individual requirements.

### Low Foaming Wax Stripper

INGREDIENT	%
1 Water	qs 100.00
2 Sodium Metasilicate Pentahydrate	5.00
3 Tetrapotassium Pyrophosphate	4.80
4 Cola <sup>®</sup> Teric JEM	4.00
5 Trisodium Phosphate	3.00
6 Butoxyethanol	1.00

## Colonial Chemical, Inc.

225 Colonial Drive • South Pittsburg, TN 37380  
Phone: 423-837-8800 • Fax: 423-837-3888

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