



Cola[®]Teric JEM MB

Low Foaming Surfactant | Mass Balance RSPO

DESCRIPTION Mixed C8 Amphocarboxylates

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



Cola[®]Teric JEM MB, derived from mixed caprylic and ethylhexoic acids, is a surfactant with low foaming characteristics that is stable in alkaline medium. Cola[®]Teric JEM MB can be sprayed onto dry caustic soda, which will not discolor even after prolonged storage. Cola[®]Teric JEM MB 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[®]Teric JEM MB reduces the surface tension of water and 4% caustic soda solutions, as the following typical results demonstrate:

Cola [®] Teric JEM MB, %	Dynes/cm in 4% NaOH	Dynes/cm in H ₂ 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[®]Teric JEM MB 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[®]Teric JEM MB. Wetting times were shorter at higher temperatures.

TYPICAL PROPERTIES

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 [®] Teric JEM MB	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 [®] Teric JEM MB	4.00
5 Trisodium Phosphate	3.00
6 Butoxyethanol	1.00

MASS BALANCE

In keeping with Colonial Chemical's commitment to sustainable raw material sourcing, this product is derived from palm oil that contributes to the production of certified sustainable palm oil. More information on www.RSPO.org.

STORAGE / HANDLING

Cola®Teric JEM MB should be stored in closed containers. Shipped in 450 lb./204.1 kg poly drums. Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at www.colonialchem.com.



Colonial Chemical

Innovative Specialty Surfactants

www.colonialchem.com