



Cola[®]Teric MSC

DESCRIPTION

Cola[®]Teric MSC is a low foaming, biodegradable, amphoteric surfactant with excellent detergency, designed for use in either low or high temperature alkaline and acid cleaners. While some foaming occurs in both alkaline and acid cleaners when used in spray tanks, it is fast breaking and does not accumulate. This property can also prove advantageous when formulating “scrub-vac” cleaners such as those used on indoor-outdoor carpeting or hard surfaces.

Cola[®]Teric MSC is an anhydrous, 100% active, liquid material that is ideally suited for use in dry products containing high percentages of caustic, such as heavy duty all-purpose industrial cleaners. In contrast to low foaming nonionic surfactants, **Cola[®]Teric MSC** exhibits low foaming properties even at low temperatures while still maintaining good detergent properties. In addition, it has been determined that up to equal parts of nonionics can be combined with **Cola[®]Teric MSC** without losing these foaming properties.

While **Cola[®]Teric MSC** can be incorporated directly into aqueous alkaline systems, it neutralizes slowly and may take hours to achieve pH equilibrium. **Cola[®]Teric MSC** is readily soluble in aqueous acid systems.

TYPICAL PROPERTIES

Appearance	Amber Liquid
pH (10% Solution)	12.0
Specific Gravity	1.04 (8.7 lbs/gal)
% Activity (Total Solids)	99 min.
Ionic Character	Amphoteric
Color (GVCS '33)	11
Alkali #	194
Molecular Weight	290

TYPICAL APPLICATIONS

A. DRY POWDERED DETERGENTS

The following test composition indicated **Cola[®]Teric MSC's** outstanding stability on caustic soda. This formula has been stored for weeks at 95°C and for several months at 50°C with little or no change in color or flowability. Detergency and foaming properties were also unaffected.

Highly Alkaline Cleaner

Wt. %

Caustic Soda	90
Soda Ash	5
Cola [®] Teric MSC	<u>5</u>
TOTAL	100

Low Foaming, Heavy Duty, Spray Tank Cleaner

	<u>Phosphate Containing Formula</u>	<u>Non-Phosphate Formula</u>
STPP	24%	----
“Metso” Anhydrous	24%	32%
Soda Ash	24%	32%
Caustic Soda	24%	32%
Cola [®] Teric MSC	<u>4%</u>	<u>4%</u>
TOTALS	100%	100%

These formulas, when used in spray tanks at only 1 oz/gal, were found to be as good detergents as the commonly used low foaming nonionic based detergents which are dependent on the operating temperature for satisfactory cleaning and low foaming properties.

B. LIQUID CLEANER FORMULATIONS

Acid Spray Tank Aluminum Cleaner

	<u>Wt. %</u>
Sulfuric Acid (Concentrated)	40
Cola [®] Teric MSC	5
Water	<u>55</u>
TOTAL	100

Suggested usage level: 1 – 2 oz/gal

LAST UPDATED 07/17/2006

WARRANTY

Colonial Chemical guarantees that its products meet published specifications. No other warranties or guarantees are expressed or implied because the use of this material is beyond the control of Colonial Chemical.

Colonial Chemical, Inc.

www.colonialchem.com



ColonialChemical, Inc.