



# Cola<sup>®</sup>Teric ZF-50

CTFA/INCI NAME: Octyl Iminodipropionate  
GLOBAL CLEARANCES: TSCA listed

## DESCRIPTION

**Cola<sup>®</sup>Teric ZF-50** is an extremely versatile, non-foaming amphoteric surfactant that provides excellent hydrotroping properties over a wide range of electrolyte concentrations. It effectively couples conventional and capped low foaming nonionics into heavy-duty built alkaline cleaner formulations. **Cola<sup>®</sup>Teric ZF-50** can be used in mixed anionic/nonionic systems to control the Krafft point and cloud point. **Cola<sup>®</sup>Teric ZF-50** is ideally suited for use in household and industrial detergent cleaners such as bottle washing, high pressure spray cleaners, alkaline degreasers, scrubbing compounds, acid cleaners, transportation cleaners and various other hard surface detergent formulations.

## FEATURES

- Excellent in concentrated electrolytes
- Exceptional hydrotroping performance
- Low to no foaming
- Biodegradable
- Non-toxic
- Detergent synergism with nonionic surfactant
- Compatible with all surfactant types
- Stable in acid and alkaline systems
- Salt free

## HYDROTROPING PROPERTIES

**Cola<sup>®</sup>Teric ZF-50** is very effective for coupling nonionics into alkaline built liquid detergent concentrates.

% By Weight of ColaTeric ZF-50 (as supplied) to Give a 70°C Cloud Point					
	%NaOH				
% Nonionic*	5	10	15	20	25
1	2.2	2.0	3.2	6.0	5.0
3	2.9	3.6	8.9	16.0	12.4

\* Igepal CO-710

## TYPICAL PROPERTIES

Appearance	Clear Liquid
Activity%	50
Color (GVCS'63)	3
pH (10%)	8.7

## SOLUBILITY

Cola<sup>®</sup>Teric ZF-50 displays excellent compatibility with concentrated acids and electrolytes as shown by the following data:

- Soluble in 25% Sodium Hydroxide
- Soluble in 30% Potassium Hydroxide
- Soluble in 20% Hydrochloric Acid
- Soluble in 50% Phosphoric Acid

## APPLICATIONS

- Low Foam Alkaline and Acid Cleaners
- Defoamer in Latex based paints
- Mechanical Dish wash Detergent
- Corrosion inhibitor in metalworking lubricants
- Steam Cleaners
- Laundry Detergents
- High pressure spray detergent
- CIP (Clean in Place) detergents
- Alkaline Paint strippers
- Concrete Cleaners
- Acid bowl Cleaners
- "Scrub Vac" Rug Cleaners
- Leather Lubrication

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LAST UPDATED 02/17/2006

### **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.

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