

## **DeTERGE CS-45LF MOD**

**DeTERGE CS-45LF MOD** is a unique, economical, low foaming, chlorine stable surfactant for use in products containing up to 15% active caustic and other alkaline electrolytes. This anionic surfactant has the same performance attributes and composition as DeTERGE CS-45LF however; it has a lower pH range specification. It is not recommended for use in acid systems.

### **SPECIFICATIONS**

Appearance @ 25°C:	Clear almost colorless liquid
pH (5% in DI water):	6.0 – 7.0
% Activity:	42.0 – 44.0
Color (Gardner):	1 max.

**SOLUBILITY** (10% by weight): DeTERGE CS-45LF MOD is soluble in water, alcohols and glycols. It is insoluble or dispersible in most solvents.

### **TYPICAL PROPERTIES**

Density @ 25°C ~1.06 g/ml

- Chlorine stable
- Very low foaming (low flash foam)
- Emulsifier
- Hydrotrope
- Good detergency & wetting
- Dispersant
- Biodegradable
- Hard water stable
- Excellent caustic & alkaline electrolyte stability
- Cloud point >90°C @ 1% by weight in DI water

### **APPLICATIONS**

- Alkaline, low foaming, automatic dishwashing detergents
- Highly alkaline food plant cleaners
- Chlorine containing cleaners
- Primary surfactant or hydrotrope in low foaming alkaline cleaners
- Stable for use in dry caustic formulations
- Industrial laundry detergents
- Metalworking fluids

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