



Flexisurf™ MCO-30

Myristyl/Cetyl dimethylamine Oxide Surfactant

Overview

- 30% active Myristyl/Cetyl dimethylamine oxide in water
- Foam booster and grease cutter
- Builds viscosity as a non-polymer thickener
- Hypochlorite and peroxide stable
- Compatible with nonionic, anionic and cationic surfactants
- Versatile surfactant for wetting, solubilizing and emulsification in acid, neutral and alkaline formulations
- Surface Tension reduction of 33 dynes/cm, which is among the best ingredients for surface tension reduction within the broad class of alkyl surfactants
- Derived exclusively from all natural feedstocks and ideal for use in biobased cleaners
- CAS# 68955-55-5

Applications

- HI&I Hard surface cleaners
- Hypochlorite, peracid, and peroxide based cleaners
- Concentrated Liquid, high foaming formulations (acid or alkaline)
- Personal Care: Shampoo, handsoaps, bath products, creams and lotions, hair conditioners
- Textile applications: lubricant, emulsifier, wetting agent and dye dispersant, non-rewetting wetting agent
- Fine fabric detergents

Technical Information

Flexisurf MCO-30 is a versatile, natural feedstock based surfactant that contributes surfactancy and a thickening effect to improve the surface cling for cleaning formulations. The product provides a more stable system for viscosity building. High foaming, cleansing and solubilizing properties are also benefits for cleaning formulations. Effective in acidic, neutral and alkaline solutions, and stable in hypochlorite bleach and peroxide systems, multi-functional MCO-30 contributes grease-cutting detergency and foam boosting.

Exceptional foaming and detergency properties with compatibility in nonionic, anionic and cationic surfactant solutions suggest a wide range of applications such as in Household and Industrial Cleaners, Liquid Detergents, and Personal Care formulations.

Formulary

Naturally derived, coconut oil-based, with 88% biorenewable carbon, Flexisurf MCO-30 is an environmentally responsible ingredient for detergents and cleaners. Cost effective, MCO-30 replaces and combines the properties of non-biorenewable olefin-based ingredients for enhanced performance. Concentrations of 1-5% are recommended as the starting point for use in cleaning formulations.

Typical Properties

PROPERTY	VALUE
Appearance	Clear to hazy, colorless to slightly yellow liquid
Odor	Mild
Ionic character	Nonionic
Water solubility	Soluble
Actives, %	30.0±1.0
pH (as is)	8.0±1.0
Density@25°C	est. 0.98 g/ml
Boiling Point	Approx. 100°C
Flash point	None (aqueous)
Storage	Freeze/thaw stable
Shelf life	12 months

Packaging and Handling

Flexisurf MCO-30 is available in:
275 gallon totes (Net Wt. 2250 lbs)
55 gallon plastic drums (Net Wt. 450 lbs)

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.

DOT Classification: Non-Regulated

Whether you are looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition. Please feel free to contact us.

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