



Flexisurf™ COS-37

Naturally derived fatty acid, potassium salt

Overview

- Aqueous solution of saponified coconut oil which results in a solution of potassium cocoate, glycerin, and water
- 37% actives
- Derived exclusively from all natural feedstocks and ideal for use as a component in renewably sourced soaps and cleaners
- Low aquatic toxicity
- Readily biodegradable
- **INCI Description:** Potassium Cocoate

Applications

A naturally derived ingredient that provides detergency and wetting for:

- General purpose cleaners
- Shampoo and personal care products
- Household cleaners
- Heavy duty degreasers

Technical Information

Flexisurf COS-37 is a versatile, natural feedstock based surfactant for use as an ingredient in renewably sourced cleaning formulations.

Glycerin is a well known humectant in cosmetics and personal care products. Other functions that have been reported for glycerin include: hair conditioning agent, skin protectant, skin conditioning agent - humectant, viscosity decreasing agent, and oral care agent.

Suggested applications include Household and Industrial Cleaners and Personal Care formulations.

Formulary

Naturally derived, coconut oil-based product. Flexisurf COS-37 is an environmentally responsible ingredient for soaps, personal care products, and cleaners.

Formulations should be based on deionized water, or use treated water such as with sodium citrate.

Addition of a preservative should be considered for packaged dilutions, as needed. Preservatives should be selected and evaluated by the formulator to determine use concentration, effectiveness, and formulation stability. Contact your preservative supplier for guidance and recommendations.

Typical Properties

| PROPERTY | VALUE |
|------------------|--------------------------------|
| Appearance | Clear to slightly hazy, liquid |
| Color | yellow |
| pH | 10.0±1.0 |
| Water solubility | Soluble |
| Non-volatiles, % | 35 to 37 |
| Glycerin, % | 3 to 5 |
| Density@25°C | 1.00-1.04 g/ml |
| Boiling Point | Approx. 100°C |
| Flash point | Non-combustible (aqueous) |
| Storage | Freeze/thaw stable |
| Shelf life | 12 months |

Packaging and Handling

Flexisurf COS-37 is available in:
275 gallon totes (Net Wt. 2400 lbs)
55 gallon plastic drums (Net Wt. 480 lbs)

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

DOT Classification: Non-Regulated

The substances in Flexisurf COS-37 are listed on the TSCA inventory.

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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