



# Cola®Det KC-40

## Potassium Cocoate Soap

**INCI** Potassium Cocoate

**CAS** 61789-30-8

**INVENTORIES** USA (TSCA), EU (REACH exempt, Annex V), Canada (DSL), Australia (AICIS), Korea (KECI), Philippines (PICCS), New Zealand (NZIoC), China (IECSC/IECIC), Taiwan (TCSI)

**Cola®Det KC-40** is a premium quality potassium cocoate soap that exhibits excellent flash foam, excellent color and low odor. Cola®Det KC-40 is biodegradable, made from natural and renewable resources, and preservative-free – making it ideal for natural formulations, including high-lathering soaps and cost-effective cleansers.

### APPLICATIONS

- Shampoos
- Bar soaps
- Liquid hand soaps
- Industrial hand soaps
- Surgical scrub soaps
- Hard surface cleaners

### BENEFITS

- Excellent flash foam
- Excellent color
- Low odor
- Low cloud point
- Naturally-derived
- Biodegradable
- Preservative-free

### TYPICAL PROPERTIES

|                               |              |
|-------------------------------|--------------|
| Appearance                    | Clear Liquid |
| pH, 10% aqueous               | 10.0         |
| Solids, % (2g. @ 110°C, 1hr.) | 41.0         |
| Color, Gardner BYK            | 1            |

Cola®Det KC-40 is “Derived Natural” with a Natural Origin Index of 1.0 in accordance with ISO 16128 guideline.

### ALSO AVAILABLE

USDA Certified Organic **Cola®Det OKC-40** is ideal for formulators seeking organic certification who plan to label their products as “Made with Organic...” and be in certified compliance with the National Organic Program (7CFR Part 205).



### FORMULATION GUIDELINES

In liquid soap formulations, dilute as required and adjust pH to 8.0 – 9.0 to maintain clarity. Viscosity can then be adjusted with sodium chloride to desired thickness. Amphoteric surfactants work well with Cola®Det KC-40 to alleviate the squeaky-clean feel on the skin or hair.

### Economical Liquid Hand Soap

| INGREDIENT                | %            |
|---------------------------|--------------|
| 1 Water                   | qs to 100.00 |
| 2 <b>Cola®Det KC-40</b>   | 35.00        |
| 3 <b>Cola®Teric CBS</b>   | 10.00        |
| 4 Pureact I-85EC          | 5.00         |
| 5 Fragrance, Preservative | qs           |
| 6 Sodium Chloride         | qs           |

#### Procedure:

Combine ingredients 1-3 with adequate mixing between additions. Heat to 60-65°C. Add ingredient 4 and mix until completely dissolved. Cool to 45°C. Adjust pH to 8.5. Add fragrance and preservative as required. Add sodium chloride to desired viscosity.

Appearance: Clear Liquid pH: 8.5  
Viscosity: 6,000 cP @ 3.5% Sodium Chloride

### STORAGE / HANDLING

Cola®Det KC-40 should be stored in closed containers. Cola®Det KC-40 shipped in poly drums (net weight 450 lb/204 kg). Shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at [www.colonialchem.com](http://www.colonialchem.com).

**Colonial Chemical**  
*Innovative Specialty Surfactants*  
[www.colonialchem.com](http://www.colonialchem.com)