



# Cola<sup>®</sup>Det L116N

APG-Based Hand Soap Concentrate

<b>INCI NAMES</b>	Sodium Laureth Sulfate (and) Lauryl Glucoside (and) Cocamidopropyl Betaine
<b>CAS NUMBERS</b>	68585-34-2, 110615-47-9, 61789-40-0
<b>LISTINGS</b>	USA (TSCA); Canada (DSL); EU (REACH); New Zealand (NZIoC); Australia (AICS); Korea (ECL); China (IECSC)

**Cola<sup>®</sup>Det L116N** is a mild, non-alkanolamide, high foaming concentrate. It displays multi-functional properties including good detergency and high foaming even at low active levels. Cola<sup>®</sup>Det L116N generates excellent viscosity and is ideal for use in non-alkanolamide shampoos, bath products, skin cleansers, and light-duty laundry detergents.

## BENEFITS

- Highly concentrated, optimized blend
- Pumpable, easy-to-dispense
- Easy-to-dilute with standard procedures
- Mild to skin, produces excellent foam
- Easy viscosity adjustments, even at lower concentration

## USES

- **Liquid Hand Soap** – Quick, easy production of high viscosity liquid hand soap with excellent flash foam with simple water dilution
- **Shampoos** – Variety of premium shampoos when diluted with water and combined with other functional ingredients, fragrance and preservatives
- **Shower Gels and Body Wash** – Thick liquid soap with mild and rich lather when diluted with water

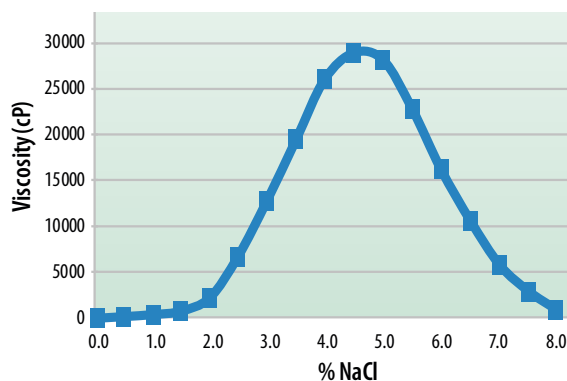
## TYPICAL PROPERTIES

Appearance @ 25°C	Hazy viscous liquid
pH (10% aq)	11.5
Solids, % 1g, 2h	62.5
NaCl, %	4.8 Max.



## VISCOSITY PERFORMANCE

Formulation of: 20% Cola<sup>®</sup>Det L116N, Water



## SUGGESTED USE LEVELS

Liquid Hand Soaps	15% - 20%
High-Foaming Shampoos	20% - 25%
Body Washes	15% - 20%
Shower Gels	15% - 20%
Light Duty Laundry Detergent	10% - 15%

## FORMULATION

### Economy Hand Soap

Formula # 4019

This formulation features **Cola®Det L116N**, a mild, high-foaming concentrate, to deliver a powerful, cost-efficient hand soap that's easy to produce and ready for a preferred fragrance and color.

	INGREDIENT	TRADE NAME	%
1	Water		qs to 100.00
2	Sodium Laureth Sulfate (and) Lauryl Glucoside (and) Cocamidopropyl Betaine	<b>Cola®Det L116N</b>	20.00
3	Sodium Chloride		2.50
4	Fragrance		0.20
5	Preservative		qs
6	Citric Acid		qs to pH 6.0

#### Procedure:

Add Cola®Det L116N to water and mix until completely incorporated. Add Sodium Chloride and mix until completely dissolved. Add remaining ingredients. Adjust to pH 6.0 with Citric Acid.

#### Typical Properties:

Appearance: Clear Liquid    pH: 5.5 – 6.0    Viscosity: 5,000 – 10,000 cP



#### STORAGE / HANDLING

Cola®Det L116N should be stored in sealed containers at temperatures not exceeding 120°F (49°C). Shipped in 55 gallon poly drums (net weight 450 lb/204 kg). Typical shelf life is 12 months from date of manufacture. Safety Data Sheets may be found at [www.colonialchem.com](http://www.colonialchem.com).



## Colonial Chemical

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*Innovative Specialty Surfactants*