



# Cola<sup>®</sup> Det 100

All Purpose Detergent Concentrate

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## DESCRIPTION

**Cola<sup>®</sup> Det 100** is a biodegradable detergent concentrate made from linear alkylbenzene sulfonate, coconut diethanolamide, and mixed ethoxylated alcohols. These ingredients are blended in the proper ratio to provide maximum cleaning efficiency and excellent physical properties.

**Cola<sup>®</sup> Det 100** has a high active content, low clear and solidification points. It requires minimum warehousing space because of its high activity level, and permits storage at low temperatures, allowing easy production of highly effective detergent products. The efficiency and synergism of alkylbenzene sulfonate/alkanolamide/ethoxylated nonionic detergent systems is well known by most formulators and this type of product can be used in a multitude of cleaning applications.

## APPLICATIONS

- Dishwashing
- Pot & pan scrubs
- Textiles
- Aircraft cleaners
- Laundry detergents
- Dairy cleaners
- Metal cleaning
- Automobile & truck washing
- Specialty building maintenance cleaning compounds

## TYPICAL PROPERTIES

Appearance	Amber liquid
Active Content %	98
Color, Klett-Sommerson, 15% Solution	150
Moisture, %	2
Cloud Point, °C (°F)	2(36)
Viscosity @ 25°C, cps	1800

## LAUNDRY PRESPOTTER

	<u>% BY WEIGHT</u>
Cola <sup>®</sup> Det 100	20.0
Water	80.0

## I & I LIGHT DUTY LAUNDRY LIQUID DETERGENT

	<u>% BY WEIGHT</u>
Cola <sup>®</sup> Det 100	42.0
SXS 40%	3.0
Water	55.0

### SHIPPING, HANDLING AND STORAGE

**COLA<sup>®</sup>DET 100** is best pumped at 90°F using a positive displacement pump. A nitrogen blanket is recommended for this product and never heat this material continuously at temperatures in excess of 115°F. Stainless steel is recommended for storage, along with plastic drums, lined drums and totes.

### SAFETY

During the handling of this product, wear chemical splash goggles and gloves. In case of skin contact, flush area immediately with copious amounts of water for at least fifteen minutes. If swallowed, call a physician. Wash clothing before reuse.

### TYPICAL PROPERTIES OF COLA<sup>®</sup>DET 100 DILUTIONS

Cola<sup>®</sup>Det 100 detergent concentrates can easily be diluted to desired activity by the addition of water.

Cola <sup>®</sup> Det 100	40%	30%	20%	10%
Water	60%	70%	80%	90%
Active Content, %	39.2	29.9	19.6	9.8
Cloud Point, °C	+1	0	+1	-1
Viscosity @ 25°C, cps	125	122	180	25

Resultant Ross-Miles Foam Height @ 25°C, 0.1% Solution:

Initial, mm	167	150	116	60
After 5 minutes, mm	143	125	98	50

### TYPICAL STARTING FORMULATIONS

Notice: The properties of the following demonstration formulations have not been fully investigated by Colonial Chemical, Inc. Thorough testing for shelf life, efficiency, and physiological effects of any products resulting from these formulations before such products are marketed is advised.

## HOUSEHOLD LIQUID LAUNDRY DETERGENT

	<u>% BY WEIGHT</u>
Cola®Det 100	40.0
Sodium Citrate	10.0
SXS 40%	10.0
Optical brightener	Q.S.
Dye, fragrance, preservatives	Q.S.
Water	to 100%

## FINE FABRIC WASH

	<u>% BY WEIGHT</u>
Cola®Det 100	40.0
Dye, fragrance, preservatives	Q.S.

## HEAVY DUTY POT & PAN DETERGENT

	<u>Weight</u>
Water	79 gals.
Na4EDTA (Versene 100)	1 gal.
Cola®Det 100	20 gals.
Citric Acid	1 – 3 lbs to pH 7-8
Dye, fragrance, preservative	Q.S.

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### WARRANTY

Colonial Chemical guarantees that its products meet published specifications. No other warranties or guarantees are expressed or implied because the use of this material is beyond the control of Colonial Chemical.

### **Colonial Chemical, Inc.**

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