



# Cola®Det EQ-12

Baby Shampoo Concentrate

**INCI NAME:** Water, Cocamidopropyl Betaine, PEG-80 Sorbitan Laurate, Sodium Tridecyl Ether Sulfate, PEG-150 Distearate

**CAS No.:** 7732-18-5 / 61789-40-0 / 9005-64-5 / 25446-78-0 / 9005-08-7

**EINECS No.:** 31-791-2 / 263-058-8 / 500-019-9 / 246-985-2 / Polymer Exempt

## INTRODUCTION

Cola®Det EQ-12 is a blend of mild ingredients for the formulation of tear-free baby and children's shampoos. This product can also be utilized for mild liquid soaps in foam pumps or for facial washes and bubble baths. Tear-free claims need to be established after viscosity adjustment and the addition of dyes, fragrances and other additives.



## WHAT IS IT GOOD FOR?

- High-lathering cleansers
- Sensitive skin formulations

## BENEFITS

- Mild cleanser
- Excellent foamer
- Biodegradable
- Easy to use

## PRINCIPAL USES

- Tear-free shampoos
- Facial washes
- Bubble baths
- Foam pump hand soaps

## TYPICAL PROPERTIES

Appearance @ 25°C	Clear liquid
pH (as is)	6.0 – 7.5
Solids, %	41.0 Min.
Color, Gardner 98	4 Max.
Viscosity (cPs)	7000 Max.

## BABY SHAMPOO FORMULATION

	<u>Weight %</u>
Water	q.s.
Cola®Det EQ-12	27.0
Quaternium 15	00.2
Citric Acid	q.s.
Sodium Chloride	q.s.
Fragrance, Dye, etc.	q.s.
	<hr/> <b>100.0</b>

**PROCEDURE:** Charge water into main vessel. Add Cola®Det EQ-12 and mix until dissolved. Add preservative, fragrance and dye. Adjust pH with Citric Acid (typically 6.0-7.0 as is). Adjust viscosity with Sodium Chloride. Individual fragrances and other component variations may affect the viscosity, so it is recommended that each batch should be checked and adjusted prior to manufacture.