

# Formulation

No. 1030

## Kid's Shampoo (Betaine-Free)

#### DESCRIPTION

This formulation features Suga®Nate 160 NC, Cola®Teric CBS-HP, Poly Suga®Glycinate C, and Cola®Lipid C. This gentle and safe shampoo with natural conditioner has almost no irritation, great for babies and their sensitive skin. With less irritation than the national brand. Now betaine-free!

#### **FORMULATION**

Order	INCI Name	Trade Name	%
1	Water	Water	qs to 100.00
2	Sodium Laurylglucosides Hydroxypropylsulfonate	Suga <sup>®</sup> Nate 160 NC	19.00
3	Cocamidopropyl Hydroxysultaine	Cola <sup>®</sup> Teric CBS-HP	4.40
4	Sodium Bis-Hydroxyethylglycinate Coco-Glucosides Crosspolymer	Poly Suga <sup>®</sup> Glycinate C	3.00
5	Cocamidopropyl PG-Dimonium Chloride Phosphate	Cola <sup>®</sup> Lipid C	2.00
6	Sodium Methyl Cocoyl Taurate	Pureact WS Conc <sup>1</sup>	7.00
7	Sodium Stearoyl Lactylate	Sodium Stearoyl Lactylate	0.20
8	Fragrance	Blueberry Fragrance	0.05
9	Sodium Benzoate and Potassium Sorbate	MicroCare <sup>®</sup> SB <sup>2</sup>	1.00

#### **PROCEDURE**

- 1. Combine ingredients 1-5 with adequate mixing between additions.
- 2. Heat to 50-60°C.
- 3. Add ingredients 6-7, mixing until completely dissolved and homogeneous.
- 4. Cool to 45°C and add remaining ingredients.
- Adjust to pH 5.0 5.5 with citric acid. 5.

#### **TYPICAL PROPERTIES**

Appearance	Clear Liquid
pH	5.0 - 5.5
Viscosity	3,000 cP

#### **SUPPLIERS**

<sup>1</sup>Innospec, <sup>2</sup>Thor

### **Colonial Chemical, Inc.** Natural Surfactants

225 Colonial Drive • South Pittsburg, TN 37380 • Phone: 423-837-8800 • Fax: 423-837-3888

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