



INCI NAME: Sodium Coco-Sulfate

CAS No.: 68955-19-1

EINECS No.: 306-683-4

INTRODUCTION

Colonial SCS is a sodium coco-sulfate derived from 100% natural coconut oil. In the needle form, the product is free flowing and disperses easily in water. Heat is required to fully dissolve the product. **Colonial SCS** provides excellent lather, thickening and conditioning properties. It is also an excellent replacement for most anionic surfactants in personal cleansing products.



PRINCIPAL USES

- Shampoos
- Bath beads
- Body cleansers
- Syndet bars
- Bath gels

TYPICAL PROPERTIES

Appearance	Free flowing needles
Actives, %	90.0 Minimum
Sodium Sulfate, %	2.0 Maximum
Sodium Chloride, %	1.0 Maximum
Unsulfated Alcohol, %	2.5 Maximum
pH (1% aqueous)	9.0 – 12.0

FEATURES AND BENEFITS

- Naturally derived
- Cleansing agent
- Disperses easily in water
- Excellent thickening properties
- Denser and creamier foam

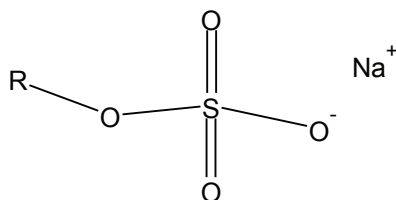
TOXICOLOGY PROFILE

Ocular / Eye Irritation	May cause eye irritation
Skin Irritation	Prolonged or repeated contact, particularly under occluded conditions, may cause irritation and/or dermatitis



g Colonial SCS

STRUCTURE



R - from coconut (C8 - C16)



MILD SHAMPOO FORMULATION

	<u>Weight %</u>
Water (distilled deionized)	to 100
Colonial SCS	
(Sodium Coco-Sulfate)	9.96
PEG-150 Distearate	1.03
PEG-80 Sorbitan Laurate	5.03
Colonial COAB	
(Cocamidopropyl Betaine)	20.40
Quaternium-15	0.15
Citric Acid USP FCC	0.14
Fragrance	q.s.
Dye	q.s.

Procedure: Heat water to 55°C with mixing. Add **Colonial SCS** and PEG-150 Distearate until dissolved. Add PEG-80 Sorbitan Laurate and Colonial COAB and blend well. Cool to 30°C, add Quaternium-15, and then adjust pH to 6.3 - 7.3 with Citric Acid.

BODY CLEANSER FORMULATION

	<u>Weight %</u>
Water (deionized)	83.75
Cola®Teric SLAA	
(Sodium Lauroamphoacetate)	7.5
Colonial SCS	
(Sodium Coco-Sulfate)	8.5
Sodium Chloride	0.25
Preservative	q.s.
Citric Acid	q.s.

Procedure: Begin mixing water and add **Cola®Teric SLAA**. When uniform, add **Colonial SCS**. To quicken dissolution, batch may be warmed to approximately 45°C. Slowly add Sodium Chloride. When uniform, slowly blend in Preservative and Citric Acid and mix until uniform. Adjust pH with Citric Acid to pH 6.0 - 6.5.