



Suga® Det Mild

Naturally-Derived, Sulfate-Free Personal Care Concentrate

INCI Sodium Laurylglucosides Hydroxypropylsulfonate *and* Sodium Methyl Cocoyl Taurate *and* Cocamidopropyl Hydroxysultaine *and* Sodium Bis-Hydroxyethylglycinate Coco-Glucosides Crosspolymer *and* Sodium Stearoyl Lactylate

CAS 742087-49-6, 61791-42-2, 68139-30-0, 11268701-17-2, 25383-99-7

INVENTORIES NDSL (Canada), TSCA (US)



Suga® Det Mild is a mild, naturally-derived concentrated blend of sulfate-free surfactants for use as a base for personal care cleansing products. This blend is free of ethoxylates (1,4-dioxane), alcohols, diethanolamides, lauryl sulfates, laureth sulfates, parabens, and formaldehyde. Suga® Det Mild features Suga®Nate 160NC, Colonial's 100% natural APG-based surfactant that offers high foam and unparalleled mildness. The remaining surfactant ingredients in the blend are also derived from natural, renewable resources.

FEATURES

- Easy-to-use "**Green**" shampoo blend from naturally-derived renewable resources
- Can be mixed without heat
- 1,4-Dioxane free
- Preservative-free
- Globally acceptable
- Very low irritation - HET-CAM of **3.5**
- High-foaming
- Compatible with a wide range of additives for enhanced appearance or performance

APPLICATIONS

- Sulfate-free shampoos
- Conditioning shampoos
- Liquid hand soaps
- Body washes
- Mild facial cleansers
- Outstanding for baby-care products
- Tear-free formulations

TYPICAL PROPERTIES

Appearance, 25°C	Clear Liquid
pH, 10% aqueous	5.5
Solids, %	34.5
Color, Gardner '98	3 Max.



FORMULATION

Sulfate-Free Shampoo, Cold Mixable

This formulation produces a pleasing, high-foaming shampoo with a simple 1 part concentrate to 2 parts water ratio. Additional viscosity can be achieved with the addition of **Sodium Stearoyl Lactylate**.

INGREDIENT	%
1 Suga® Det Mild	34.00
2 Water	qs to 100.00
3 Dye, Fragrance	q.s.

Solids: 10% pH: 6.5 Viscosity: 6000 cps.

Suga® Det Mild is "**Derived Natural**" with a **Natural Origin Index of 0.89** in accordance with **ISO 16128** guideline.

STORAGE / HANDLING

Suga® Det Mild should be stored in sealed containers at temperatures not exceeding 120°F (49°C). Suga® Det Mild is 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.

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Innovative Specialty Surfactants

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