



Suga®Det Pearl

Naturally-derived Pearling Concentrate

INCI NAME Water (and) Glycol Distearate (and) Sodium Hydroxypropylphosphate Decylglucoside Crosspolymer (and) Cocamidopropyl Betaine (and) Sodium Stearoyl Lactylate

CAS NUMBER 627-83-8, 1174922-04-3, 61789-40-0, 25383-99-7

LISTINGS REACH (EU), TSCA (USA), NDSL (Canada)

Suga®Det Pearl is a concentrated dispersion of pearling compounds designed to be free of sulfates, amides and ethylene oxide. The primary dispersant is derived from alkylpolyglucoside, a renewable ingredient that is non-petroleum based. Suga®Det Pearl can turn clear formulations to pearled by cold mixing at 3% - 7%.

APPLICATIONS

- Bath gels
- Shampoos
- Liquid hand soaps
- Bath wash
- Bubble bath
- Cleansing products

BENEFITS

- Made from naturally derived ingredients
- EO-free, 1,4-Dioxane-free, PEG-free
- Amide-free, MEA-free, DEA-free
- Sulfate-free
- Exceptional mildness from utilizing patented APG-based surfactant
- Cold mixing, permitting economical and eco-friendly processing
- Does not decrease foam or viscosity
- Goes into almost any formulation
- Stable after three cycles of freeze/thaw



TYPICAL PROPERTIES

Appearance, 25°C	Pearlescent Liquid
pH, 5% aqueous	7.0
Solids, %	46.0
Specific Gravity	1.03

Suga®Det Pearl can turn clear formulations to pearled by cold mixing at 3% - 7%. Higher use results in a dense, creamy background with a sparkling pearlescent effect, while lower concentrations provide an opaque finish.

PEARLESCENT PERFORMANCE

Ingredient	Formula 1	Formula 2
Water	73.0	77.0
Cola®Det BSC-ND	20.0	20.0
Suga®Det Pearl	7.0	3.0



Sample Formula 1 with 7% solution



Sample Formula 2 with 3% solution

GreenStar™ 8.20

FORMULATION

Mild, Natural Shampoo (from Concentrates)

1026

This formulation features **Suga®Det Mild** and **Suga®Det Pearl** in a very simple, cold-mix system. The pure, natural moisturizing shampoo gently cleanses and replenishes needed hydration. Hair shines with soft manageability. Safe for color-treated hair.



	INGREDIENT	TRADE NAME	%
1	Water		qs to 100.00
2	Sodium Laurylglucosides Hydroxypropylsulfonate and Sodium Methyl Cocoyl Taurate and Cocamidopropyl Hydroxysultaine and Sodium Bis-Hydroxyethylglycinate Coco-Glucosides Crosspolymer and Sodium Stearoyl Lactylate	Suga®Det Mild	34.00
3	Water (and) Glycol Distearate (and) Sodium Hydroxypropylphosphate Decylglucoside Crosspolymer (and) Cocamidopropyl Betaine (and) Sodium Stearoyl Lactylate	Suga®Det Pearl	5.00
4	Fragrance, Dye, Preservative		qs

Procedure:

Add Suga®Det Pearl to a room temperature formulation to retain the intensity of the pearl. Add color, fragrance, and preservative as desired. Check physical properties after these adjustments. Adjust to 5.5 – 6.5 with 50% citric acid as needed.

Typical Properties:

Appearance: Opaque pH: 6.5 Viscosity: 6000 cps

STORAGE AND HANDLING

Suga®Det Pearl should be stored in closed containers. Shelf life is 12 months from date of manufacture. A Safety Data Sheet is available at www.colonialchem.com.

PACKAGING

Suga®Det Pearl is shipped in 55 gal. poly 55-gal drums, net weight 450 lbs (204.1 kg).



Colonial Chemical, Inc.

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

Natural Surfactants