

Suga®Det EcoPearl

Pearl Shine Personal Care Concentrate

INCI Glycol Distearate and Sodium Hydroxypropylphosphate Decylglucoside Crosspolymer

and Cocamidopropyl Hydroxysultaine and Sodium Stearoyl Lactylate

CAS 627-83-8, 1174922-04-3, 68139-30-0, 25383-99-7

LISTINGS USA (TSCA); Canada (NDSL)

Suga® Det EcoPearl is a mild, sulfate-free, PEG-free, naturally-derived concentrated blend of surfactants for use as a pearlizing agent for personal care cleansing products. This blend is free of ethoxylates (1,4-dioxane), alcohols, diethanolamides, lauryl sulfates, laureth sulfates, parabens, and formaldehyde.

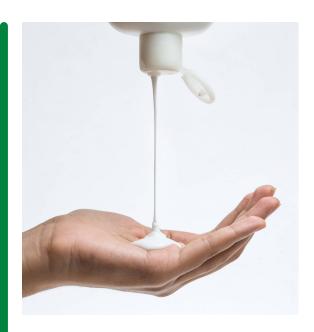
This product gives a luxurious pearled appearance to a wide variety of formulations to enhance the look of luxury and mildness. It is effective at low use levels and will not lose its pearl appearance with mild heating.

BENEFITS

- Sulfate-free, PEG-free pearlizer blend
- 100% plant-derived ingredients
- No Prop 65 ingredients
- Free from formaldehyde donors or isothiazolinones
- 1,4-Dioxane free
- · Cruelty-free
- Very low irritation
- Pumpable, can be mixed without heat
- 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



TYPICAL PROPERTIES

Appearance (25°C)	Opaque, Viscous Liquid
pH (5% Solution)	6.0 – 7.5
% Solids (2g, 1hr)	49.0 – 52.0
Viscosity (Initial), cP	3,000 – 15,000

PERFORMANCE TESTING

5% Solution - Pearled Appearance

EYE / SKIN IRRITATION TESTING

MatTek EpiOcular™ Eye Irritation Test
OECD 492 Results: Non-Irritating

Easy to formulate body wash that is free of sulfates and betaines. This cold-mixable formulation is moisturizing and gentle for everyday use.

	TRADE NAME / INCI NAME	%
1	Water	qs to 100.00
2	Cola®Det DEF-61 / Water, Sodium C 16 Olefin Sulfonate, Cocamidopropyl Hydroxysultaine, Cocamide MIPA	14- 35.00
3	Cola®Moist 200 / Hydroxypropyl Bis- Hydroxyethyldimonium Chloride	3.00
4	Suga®Det EcoPearl / Water and Glyco Distearate and Sodium Hydroxypro- pylphosphate Decylglucoside Crosspo mer and Cocamidopropyl Hydroxysul taine and Sodium Stearoyl Lactylate	oly- 3.00
5	Euxyl® K712 / Sodium Benzoate and Potassium Sorbate	1.00
6	Fragrance	0.20
7	Citric Acid, 50% qs to	o pH 5.5 – 6.5

PROCEDURE:

Add ingredients 1-6 in order, mixing until uniform. Adjust to pH 5.5-6.0 with citric acid.

TYYPICAL PROPERTIES:

Appearance: Pearled, viscous liquid

pH: 5.0 – 5.5 Viscosity: 4,000 – 6,000 cP % Solids: 15.8 – 17.4

Foaming Cream Cleanser

Foaming cream cleanser that's free of sulfates and betaines and easy to formulate with a cold-mixable process. Ingredients provide mild cleansing and a luxurious pearled appearance and a creamy feel that leaves skin soft and nourished.

	TRADE NAME / INCI NAME	%
1	Water	qs to 100.00
2	Cola®Det DEF-61 / Water, Sodium C1 16 Olefin Sulfonate, Cocamidopropyl Hydroxysultaine, Cocamide MIPA	35.00
3	Suga®Det EcoPearl/Water and Glyco Distearate and Sodium Hydroxypro- pylphosphate Decylglucoside Crosspo mer and Cocamidopropyl Hydroxysul- taine and Sodium Stearoyl Lactylate	oly- 3.00
4	Cola®Mulse 3GO / Polyglyceryl-3 Olea	ate 0.50
5	Euxyl® K900 / Benzyl Alcohol and Ethy hexylglycerin and Tocopherol	yl- 1.00
6	Fragrance	0.30
7	Citric Acid, 50% qs to	o pH 6.5 – 7.5

PROCEDURE:

Add ingredients 1-6 in order, mixing until uniform. Adjust to pH 6.5-7.5 with citric acid.

TYYPICAL PROPERTIES:

Appearance: Pearled, viscous liquid

pH: 6.5 – 7.5

Viscosity: 5,000 – 10,000 cP % Solids: 16.3 – 17.84

STORAGE / HANDLING

Suga®Det EcoPearl should be stored in closed containers. Frozen material may be thawed in a warm room, venting drums while warming. Shipped in 55 gallon poly drums (net weight 450 lb/204.1 kg). Typical shelf life is 12 months from date of manufacture. Safety Data Sheets may be found at www. colonialchem.com.



Colonial Chemical

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

Innovative Specialty Surfactants