



# Suga<sup>®</sup>Det EcoPearl

## Pearl Shine Personal Care Concentrate

<b>INCI</b>	Glycol Distearate <i>and</i> Sodium Hydroxypropylphosphate Decylglucoside Crosspolymer <i>and</i> Cocamidopropyl Hydroxysultaine <i>and</i> Sodium Stearoyl Lactylate
<b>CAS</b>	627-83-8, 1174922-04-3, 68139-30-0, 25383-99-7
<b>LISTINGS</b>	USA (TSCA); Canada (NDSL)

**Suga<sup>®</sup>Det EcoPearl** is a mild, sulfate-free, PEG-free, naturally-derived concentrated blend of surfactants for use as a pearling 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**

## Simply Clean Hydrating Body Wash

No. 2059

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	<b>Cola®Det DEF-61</b> / Water, Sodium C14-16 Olefin Sulfonate, Cocamidopropyl Hydroxysultaine, Cocamide MIPA	35.00
3	<b>Cola®Moist 200</b> / Hydroxypropyl Bis-Hydroxyethylidimonium Chloride	3.00
4	<b>Suga®Det EcoPearl</b> / Water and Glycol Distearate and Sodium Hydroxypropylphosphate Decylglucoside Crosspolymer and Cocamidopropyl Hydroxysultaine and Sodium Stearoyl Lactylate	3.00
5	<b>Euxyl® K712</b> / Sodium Benzoate and Potassium Sorbate	1.00
6	Fragrance	0.20
7	Citric Acid, 50%	qs to 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

No. 2066

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	<b>Cola®Det DEF-61</b> / Water, Sodium C14-16 Olefin Sulfonate, Cocamidopropyl Hydroxysultaine, Cocamide MIPA	35.00
3	<b>Suga®Det EcoPearl</b> / Water and Glycol Distearate and Sodium Hydroxypropylphosphate Decylglucoside Crosspolymer and Cocamidopropyl Hydroxysultaine and Sodium Stearoyl Lactylate	3.00
4	<b>Cola®Mulse 3GO</b> / Polyglyceryl-3 Oleate	0.50
5	<b>Euxyl® K900</b> / Benzyl Alcohol and Ethylhexylglycerin and Tocopherol	1.00
6	Fragrance	0.30
7	Citric Acid, 50%	qs to 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](http://www.colonialchem.com).



## Colonial Chemical

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*Innovative Specialty Surfactants*