

SensaFoam™ F 50

Mild Amphoteric Surfactant

INCI (PCPC NAME)

Cocamidopropyl Betaine

INTENDED USE

- Molding Agent
- Cleansing
- Foam Boosting
- Viscosity Control
- Antistatic

BENEFITS AT A GLANCE

- Low viscosity – easy to process
- High-active concentration; minimize water transportation and product storage
- Light color – ideal for transparent, colorless cleansing formulations
- Preservative-free
- Best purity (lowest residuals per active)

CHEMICAL AND PHYSICAL PROPERTIES (NOT PART OF SPECIFICATIONS)

Active Matter	38%
Solids	45-48%
Form	Clear, Low-Viscosity Liquid
Color & Odor	Very Light
Starting Raw Material	Hydrogenated Coconut Oil
pH Range	4.5-5.5
Preservative	None

APPLICATIONS

SensaFoam™ F 50 can be used as secondary surfactant to common anionic surfactants, to adjust their powerful cleansing properties that cause skin irritation when used alone. It can also be used as primary foamer in gentle formulations:

- Shampoos
- Gentle facial wash
- Baby formulations
- Shower gel and bath preparations
- Liquid soaps
- Intimate hygiene solutions

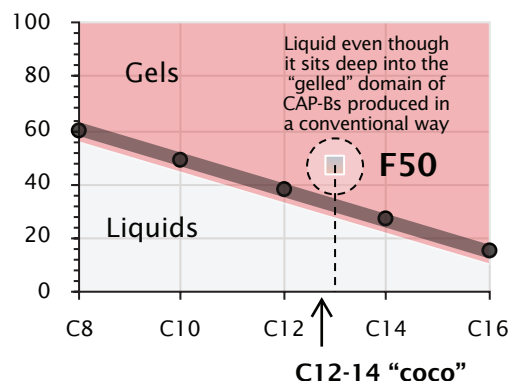
SensaFoam™ F 50 is recommended for use at:

- 5-8 weight % as is as secondary surfactant
- Up to 10-15 weight % as is, when it plays the role of primary surfactant

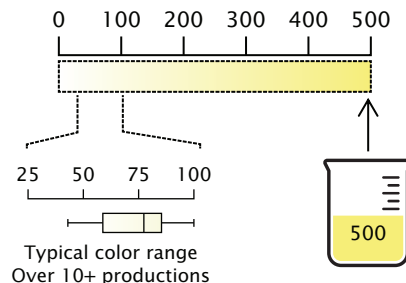
PROPERTIES

- **SensaFoam™ F 50** belongs to the family of betaines – the most used of all amphoteric surfactants due to its availability, versatility, and cost-in-use efficiency
- Thanks to a unique manufacturing process, **SensaFoam™ F 50** presents as a low-viscosity material despite solids as high as 45-48%. In comparison, conventional processes would lead to a gel beyond 37%.
- The process also allows **SensaFoam™ F 50** to show very low levels of amidoamine and mono and dichloroacetic acids, as well as very low odor and color, making it the grade of choice for transparent, “clean” formulations
- **SensaFoam™ F 50** is free of preservatives; preservation is ensured by the combination of slightly acidic pH and high-active content. As a result, **SensaFoam™ F 50** is delivered even in “bulk” without any preservatives.
- Natural, biodegradable, sustainable, **SensaFoam™ F 50** is based on hydrogenated coconut oil

% Solids



Color Range APHA Hazen



Shower & Cream			
	Product Name / INCI	Function	% as is
Phase A	Water	Condition	46.3
	Hydroxypropyl Guar Hydroxypropyltrimonium Chloride	Clean	0.2
	Sensapol™ ES-2 K	Emulsify	3.3
	Glycerin	Carrier	3
	Sensafoam™ F 50	Foam	9.8
	PPG-3 Myristyl Ether	Condition	0.5
	Glyceryl Laurate	Condition	1.0
	Sensaglow™ N 100 Glycol Distearate, Steareth-4	Pearl	3.0
Phase B	Water	Carrier	3
	Styrene Acrylates Copolymer	Suspend	0.2

Preparation: Disperse the guar in water for 10 min, with citric acid 20%. Add the ingredients of Phase A in the order indicated, while stirring, prepare Phase B separately and add it on top of Phase A slowly while stirring.

Gentle Baby Cleanser			
	Product Name / INCI	Function	% as is
	Sensapol™ ES-2 K Sodium Laureth Sulfate	Clean	7.3
	Sensafoam™ F 50	Foam	14.7
	Disodium PEG-5 Lauryl Citrate Sulfosuccinate and Sodium Laureth Sulfate	Clean	2.3
	PEG-200 Hydrogenated Glyceryl Palmate and PEG-7 Glyceryl Cocoate	Emulsify	3.5
	Sucrose Cocoate	Emollient	2.6
	PEG-40 Hydrogenated Castor Oil	Emulsify	3.7
	Water	Carrier	65.9

Preparation: Mix the ingredients in the order indicated.

Facial Cleanser			
	Product Name / INCI	Function	% as is
	Sensapol™ ES-2 K Sodium Laureth Sulfate	Clean	17.5
	PEG-7 Glyceryl Cocoate	Emulsify	1.7
	Sucrose Cocoate	Condition	1.5
	Disodium PEG-5 Lauryl Citrate Sulfosuccinate	Emulsify	5.0
	Water	Carrier	62
	Sensafoam™ F 50	Foam	11.3
	PEG-200 Hydrogenated Glyceryl Palmate	Emulsify	1.0

Preparation: Mix the ingredients in the order indicated. Adjust the pH value with citric acid to 5.5. Finally, add preservatives as required.

PACKAGING

- Bulk truck
- 1000 kg IBC tote
- 200 kg plastic drum

HAZARDOUS GOODS CLASSIFICATION

Information concerning the following is given in our material safety data sheets:

- Classification and labeling according to regulations for transport and for dangerous substances
- Protective measures for storage and handling
- Measures in case of accidents and fires
- Toxicity and ecological effects

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