

FORMULATION | USA

Clean
BY DESIGN

 UnivarSolutions

Skincare

PURE MILK

Facial Cleanser

Our facial skin is an amazing wonderland of microbes that requires consistent care using products that effectively remove environmental impurities, makeup and extra oils without stripping, over-drying or disrupting the skin's balance. Our nourishing, non-foaming facial cleanser will leave your skin feeling clean, soft and hydrated.

#aunaturel #allmine #babysoft

Clean BY DESIGN



Marketing

Transparent, consumer-friendly INCI



Sustainability

Biodegradable ingredients from Dow, PCCA & INOLEX, over 75% natural and biobased ingredients, 100% natural extracts from Doehler



Performance & Innocuity

High performance 100% natural skin safe surfactants and emollients from Dow & INOLEX, high performing multifunctional safe synthetic from DSM



Ethics

Ecocert approved ingredients from Dow & INOLEX, non-palm and COSMOS approved ingredient from INOLEX

Technology



EcoSense™ 919

A self-preserved, nonionic surfactant that is readily biodegradable and solvent-free, with low ecotoxicity. Made from 100% vegetable origin, it produces moderate to high stable foam, is compatible with a broad range of surfactants and polymers, and is mild to skin.

EcoSense™ 1200

Vegetable-based, readily biodegradable surfactant providing sensory benefits to shampoos, facial washes, body washes and hand soap formulations. Provides broad compatibility with other common personal care ingredients and is preservative free. Has an excellent environmental profile and offers formulators a surfactant solution with low ecotoxicity.



D-Panthenol 75 L

Pro-vitamin B5 with anti-inflammatory effects that soothes irritated and sensitive skin.



AminoSensyl™ SC

100% natural, self-emulsifying skin care system. Eco-friendly design provides a readily biodegradable system that creates rich textures and stabilizes high oil loads, leaving a powdery soft skin-feel.

LexFeel™ WOW-A

100% plant-based, fast spreading, partially volatile alternative for volatile cyclic silicones. Non-greasy, ultra-light feel imparts slip to hair and smoothness to skin. Derived from castor oil and sugarcane.



NataPres® GS

Combination of grapeseed extract and lactobacillus ferment release anti-microbial peptides to naturally preserve cosmetic skin-friendly formulations.

PURE MILK

Facial Cleanser

TRADE NAME	INCI	SUPPLIER	%
PHASE A			
Deionized Water	Water		50.87
Glycerin 99.7% USP	Glycerin	Univar Solutions	12.00
Sodium Gluconate FCC	Sodium Gluconate	Jungbunzlauer/ Univar Solutions	1.07
D-Panthenol 75 L	Panthenol	DSM / Univar Solutions	1.33
PHASE B			
AminoSensyl™ SC	Brassica Alcohol, Brassicyl Valinate Esylate, Brassica Glycerides	Inolex / Univar Solutions	7.50
LexFeel™ N100	Diheptyl Succinate, Capryloyl Glycerin/Sebacic Acid Copolymer	Inolex / Univar Solutions	5.00
LexFeel™ WOW-A	Triheptanol, C13-15 Alkane	Inolex / Univar Solutions	5.00
PHASE C			
Mixed Tocopherols 95	Tocopherol	DSM / Univar Solutions	0.10
NataPres® GS	Lactobacillus Ferment, Vitis Vinifera (Grape) Seed Extract	PCCA / Univar Solutions	3.00
Elderflower Extract	Water, Alcohol, Sambucus Nigra (Elder) Flower Extract	Doehler / Univar Solutions	0.05
Bitter Orange Oil 5-fold	Citrus Aurantium Amara (Bitter Orange) Peel Oil	Doehler / Univar Solutions	0.08
EcoSense™ 919	Coco-Glucoside	Dow / Univar Solutions	5.00
EcoSense™ 1200	Lauryl Glucoside	Dow / Univar Solutions	9.00
Total:			100.00

PROCEDURE

1. Combine phase A ingredients. Begin mixing and heating to 70°C.
2. At 70°C, add phase B ingredients. Once melted, homogenize at 3000 rpm for 3 minutes.
3. Switch to paddles mixing and begin cooling to 45°C.
4. At 55°C, add phase C ingredients sequentially with mixing, increasing to 400 rpm.
5. Stop mixing at 45°C to allow structure formation to thicken product at rest.

PROPERTIES

pH 5.8-6.0
 Brookfield viscosity: 332,000 cP (T-F, 0.5 rpm, 25°C)
 Brookfield viscosity: 92,000 cP (T-F, 5 rpm, 25°C)
 Brookfield viscosity: 24,000 cP (T-F, 20 rpm, 25°C)