



## Formulation Sheet

### Super Sulfate-Free Shampoo

ACTS21896

**Description:** Sulfate free shampoo with moisturizing components cleanses the hair while restoring moisture and shine.

**Ingredients:** Water, Sulfochem™ AOS, Chembetaine™ C, Zemea® propanediol, Esterlac® Care+, Spectrastat™ G2-N, Fragrance, TEXTURLUX® Hold, Purasal® Moist XS, Purasal® HiPure P

Phase	Volume	Ingredient	INCI	Supplier	Function
A	52.5%	Water	Aqua		Solvent
A	25%	Sulfochem™ AOS	Sodium C14-16 Olefin Sulfonate	Lubrizol	Surfactant
A	10%	Chembetaine™ C	Cocamidopropyl Betaine	Lubrizol	Surfactant
B	5%	Zemea® propanediol	Propanediol	DuPont Tate & Lyle	Humectant
B	3%	Esterlac® Care+	Sodium Isostearoyl Lactylate	Corbion	Surfactant
B	1%	Spectrastat™ G2-N	Caprylhydroxamic Acid (and) Glyceryl Caprylate (and) Glycerin	Inolex	Preservative
B	0.4%	Fragrance	Fragrance		Fragrance
B	0.1%	TEXTURLUX® Hold	Hydroxypropyl Starch Phosphate	Tate & Lyle	Polymer
B	3%	Purasal® Moist XS	Sodium Lactate (and) Sodium Gluconate	Corbion	Emollient
C	q.s	Purasal® HiPure P	Potassium Lactate	Corbion	Salt

#### Procedure

1. Heat A to 50C, slowly stirring until clear and uniform
2. Premix B and add to A with slow stirring until uniform, then remove heat
3. Once A/B cools, add C to A/B with slow hand stirring until desired viscosity is reached

**For additional information or samples:  
DuPont Tate & Lyle Bio Products  
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Formula provided by:  
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