

Guide Formulation

# HAIR REFRESHER FOAM WITH SPHERILEX® 10 PC AS STYLING ADDITIVE

Traditional dry shampoos are so old-fashioned!

Evonik's hair refresher concepts with SPHERILEX® 10 PC as key ingredient for a natural styling and volume effect.

Phase	Ingredients	INCI Name	% w/w	Function
<b>A</b>	Water	Aqua	ad 100.00	solvent
	TEGO® Cosmo C 100	Creatine	0.50	active
	Preservative	Preservative	q.s.	active
<b>B</b>	Xanthan gum	Xanthan gum	1.00	stabilizer
<b>C</b>	ABIL® Quat 3272	Quaternium-80	0.80	conditioning agent
	TAGAT® CH 40	PEG-40 Hydrogenated Castor Oil	0.50	surfactant
	Perfume		q.s.	
	TEGO® Betain 810	Capryl/Capramidopropyl Betaine	2.00	surfactant
	VARISOFT® 300	Cetrimonium Chloride	1.50	conditioning agent
	LACTIL®	Sodium Lactate; Sodium PCA; Glycine; Fructose; Urea, Niacinamide; Inositol; Sodium Benzoate; Lactic Acid	0.50	humectant
<b>D</b>	<b>SPHERILEX® 10 PC</b>	<b>Hydrated silica</b>	<b>1.50</b>	<b>hair styling/processing aid</b>
	TEGO® Feel C 10	Cellulose	1.00	absorbent
<b>E</b>	Citric acid, 30%	Citric acid	q.s.	
			<b>100.00</b>	

**NOTE:** All formulations have been subjected to stability tests and have been shown to perform well. However, formulators should always perform their own stability tests when adapting formulations and / or using raw materials from other sources.

**PROCESSING**

- Dissolve TEGO® Cosmo C 100 in the water phase.
- Add xanthan gum and homogenize.
- Blend SPHERILEX® 10 PC and cellulose and add mixture to the water phase. Homogenize with moderate speed.
- Blend all ingredients of phase C and add to the water phase while stirring with moderate speed.
- Adjust pH value with phase E to 5.5
- Fill a pump foam dispenser.

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