



## Hawaiian Beach Spray

Inspired by the casual-cool style of surfers, bring out some waves with this salt texturizing spray. Magnesium Sulfate, known as **Epsom Salt**, is very hygroscopic so it helps to maintain the 'wet-effect'. The effect is different than the one of a traditional wet styling product. The Beach Spray will ensure that natural curls are enhanced. Combined with Sodium Chloride, the salt concentration is two times higher than sea-water; so it ought to have a longer lasting wet-effect. **Vida-Care PQ 11** is used as styling and conditioning agent. This T-grade was chosen to guarantee transparency in a formula with high level of salts. PQ11 is combined with **Vida-Care C K90P**, a high molecular weight PVP. This will boost the styling, but without the crunch as only 0.2% is used. **Vida-Care SP-4** is present as a UV stabiliser for aqueous formulations in clear packaging, while **Ercasorb MLE VFD** as fragrance solubiliser, helping also to prevent the spray valve from clogging.

	Trade name	INCI name	Supplier	%	
A	1	Water (Aqua)	Univar*	QS	
	2	Epsom Salt Pure, Technical Magnesium Sulphate Heptahydrate (MgSO4·7H2O)	Magnesium Sulfate Heptahydrate	K+S KALI GmbH / Univar*	5.00
	3	Industrial Salt Unsieved	Sodium Chloride	Akzo Nobel / Univar*	1.00
	4	Vida-Care PQ-IIT	Polyquaternium-11	Lambson / Univar*	2.00
	5	Vida-Care C K90P	Polyvinylpyrrolidone (PVP)	Lambson / Univar*	0.20
	6	Vida-Care SP-4	Benzophenone-4	Lambson / Univar*	0.05
	7		Propylene Glycol	Univar*	0.75
	8	Kem NK	Phenoxyethanol, Sodium Benzoate, Potassium Sorbate, Aqua	Akema / Univar*	0.50
B	9	Ercasorb MLE VFD	Polysorbate 20	Erca / Univar*	0.60
	10	Asian Spa SY149748	Fragrance / Perfume	Kao Fragrances / Univar*	0.20
C	11	36001 Edicol Patent Blue (0.1% in water)	CI 42051	Univar Colour*	0.075

\* Please contact your regional Univar sales representative to ensure that mentioned products are distributed in your country.

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### Procedure (Cold Process)

1. Dissolve salts in water while mixing at room temperature.
2. Combine the remaining phase A ingredients, in the order listed, whilst gently mixing until homogeneous
3. Premix the fragrance with the solubiliser and add B to batch with continued mixing.
4. Add phase C into the blend while stirring until homogeneous.

### Stability

Stable at least 2 months at room temperature and 40°C (still ongoing).

### Comments

- Water thin
- pH = 4.84
- Spritz this into towel dried hair, twist into a loose bun and leave for 30 minutes. When you take the bun out, your hair will be softly waved. Another application method would be spraying some sea salt water evenly on to the hair. Once it feels like your hair is evenly coated, begin scrunching up from the ends to roots. Let your hair air dry, scrunching every so often as it dries. If your hair needs a little extra help creating waves, try twisting instead of scrunching.
- Formula issued from "Beachy Head Texturising Spritz" (formulation PC003-150-1) developed by our partner, Lambson.
- Cost effective formulation



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