

Guide Formulation

# Dry Sorbitol: Encapsulation with ultra hydrophobic AEROSIL® R 812 S and with SPHERILEX® 10 PC

An amazing formulation type for unexpected hair and skin experiences

PHASE	INGREDIENTS	INCI NAME	% W/W	FUNCTION
1	Water with 0.5 % sodium benzoate	Aqua, sodium benzoate	14.50	Liquid phase
	Sorbitol (70 %)	Sorbitol	57.00	Liquid phase
	Glycerin	Glycerin	10.00	Liquid phase
	TEGOSOFT® DC	Decyl cocoate	4.00	Emollient
	Aloe vera Juice	Aloe barbadensis leaf juice	0.50	Moisturizer
2	<b>AEROSIL® R 812 S</b>	<b>Silica silylate</b>	<b>10.00</b>	<b>Stabilizer</b>
	Mg-Stearate	Magnesium stearate	2.00	Filler
	Rice Starch PO 4	Distarch phosphate	1.00	Filler
	<b>SPHERILEX® 10 PC</b>	<b>Hydrated silica</b>	<b>1.00</b>	<b>Sensory additive</b>
<b>Total</b>			<b>100.00</b>	

HPC 1956/2

## PROCESSING

- Mix all ingredients of phase 1 in the blender.
- Mix all ingredients of phase 2.
- Add powder mix of phase 2 to the liquid phase.
- Stir with high shear until free flowing powder is obtained.

**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.

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