

Competition Swim Cream Wash

Swimming, surfing, wake boarding = YES! Crocodile skin after your sessions = NO. This highly hydrating shower cream will make your post-water sport shower a comforting moment. The oils and mild surfactants/emulsifiers are especially chosen to restore lipid balance and moisturize the skin, all while producing a creamy foam.

- › **Actigum™ VSX 20:** very efficient biopolymer thickener and suspensive agent, COSMOS approved, with a great sensory profile. Also improves the stability of the formula.
- › **Olivem® 1000:** COSMOS approved biomimetic ingredient, high performance primary O/W emulsifier, with the ability to make liquid crystals.
- › **Olivem® VS Feel:** COSMOS approved biomimetic secondary emulsifier and liquid crystal promoter, increases viscosity and stability of the emulsion while giving a creamy feel to the formulation.
- › **AKYPO® Foam RL 40:** very mild anionic surfactant with good foaming properties that's easy to thicken.
- › **Kem Nat:** formaldehyde & paraben-free, COSMOS approved broad-spectrum preservative. Very low odor and effective over a broad pH range.

Trade name	INCI name	Function	Supplier	%
Phase A				
	Water (Aqua)	Solvent	Univar*	Q.S: 30,99
	Glycerin	Humectant	Univar*	3.0
Actigum™ VSX 20	Sclerotium Gum and Xanthan Gum	Thickener, stabilizer	Cargill / Univar*	0,46
Florasolvs® Macadamia-16	PEG-16 Macadamia Glycerides	Emollient, oil solubilizer, refatting agent	Hallstar / Univar*	6,15
Phase B				
Olivem® VS Feel	Cetearyl Alcohol, Cetyl Palmitate, Sorbitan Palmitate, Sorbitan Oleate	Co-emulsifier	Hallstar / Univar*	3,8
Olivem® 1000	Cetearyl Oliviate, Sorbitan Oliviate	Emulsifier	Hallstar / Univar*	3,1
Biochemica® Sweet Almond Oil	<i>Prunus amygdalus dulcis</i> (Sweet Almond) Oil	Emollient, natural oil	Hallstar / Univar*	5,4
Vitamin E Acetate	Tocopheryl Acetate	Anti-oxidant	Rita / Univar*	0,2
Phase C				
EMAL® 270D	Sodium Laureth Sulfate	Surfactant	Kao Chemicals Europe / Univar*	15,0
AKYPO® Foam RL 40	Sodium Laureth-5 Carboxylate	Surfactant	Kao Chemicals Europe / Univar*	15,0
BETADET® HR	Cocamidopropyl Betaine	Surfactant	Kao Chemicals Europe / Univar*	15,0
Phase D				
Kem Nat	Benzyl Alcohol, Glyceryl Caprylate, Glyceryl Undecylenate	Preservative	Akema / Univar*	1,2
Summer Boost SY155896	Fragrance	Fragrance	Kao Fragrances / Univar*	0,7

Procedure (Hot process)

1. Premix the **Actigum™ VSX-20** in glycerin and disperse it in water under high shear (Silverson/ Ultra-Turrax at 7000 rpm for 7 min) until homogenous dispersion
2. Add the **Florasolvs® Macadamia-16** and heat phase A to 85°C
3. Heat and mix phase B ingredients together at 85°C
4. Add phase B to phase A under medium/high shear until homogenous emulsion
5. Stop heating and slowly add the cold surfactants in order
6. When the mix reaches 40°C, add phase D ingredients in order
7. Cool down to room temperature

Stability

Stable at least 2 months at RT, 4°C and 40°C (still ongoing).

Comments

- pH = 6,80
- Viscosity (spindle 4; 10 rpm; 1 min) = 8,180 cPs (40,9 %)
- Application: Use it under the shower, as you would use a classical shower gel, however, as it is highly moisturizing, you don't need to use a body lotion after.
- White creamy emulsion.