



Formulation

Name	BE QUENCHED - AFTER SPORTS AND SUN LOTION																																																					
No.	1384																																																					
Description	After sports and sun lotion for active people looking for quick and easy way to quench skin after exercise and/or sun exposure. STEPAN-MILD® GCC-L gives a light, cream-gel-like fluid texture. This formulation uses an Auvergne (central France region) wild acanthus extract for potentially improved skin barrier restoration.																																																					
Formulation	<div>INGREDIENTS:</div> <table><thead><tr><th></th><th>% by Weight</th><th>Functionality</th></tr></thead><tbody><tr><td colspan="3">=== Phase 1 ===</td></tr><tr><td>Deionized Water</td><td>75.70</td><td>Carrier</td></tr><tr><td>Carbopol® Ultrez 10 (Lubrizol Corporation) Carbomer</td><td>0.60</td><td>Thickener</td></tr><tr><td>Skin Repair BIO (Hyteck SA) Alcohol (and) Water (and)</td><td>0.10</td><td>Active</td></tr><tr><td>Onopordum Acanthium Flower/Leaf/Stem Extract</td><td></td><td></td></tr><tr><td colspan="3">=== Phase 2 ===</td></tr><tr><td>STEPAN-MILD® GCC-L</td><td>16.40</td><td>Emollient</td></tr><tr><td>Radiasurf 7900 (Oleon) Glyceryl Stearate</td><td>3.20</td><td>Emulsifier</td></tr><tr><td>Stearic Acid 40EO (Mosselman) PEG-40 Stearate</td><td>0.80</td><td>Emulsifier</td></tr><tr><td>Nacol 16 (Sasol) Cetyl Alcohol</td><td>2.00</td><td>Co-emulsifier, Thickener</td></tr><tr><td colspan="3">=== Phase 3 ===</td></tr><tr><td>Fragrance - Hypo 158 (Givaudan)</td><td>0.20</td><td>Fragrance</td></tr><tr><td>Tocopherol (Mosselman) Tocopherol</td><td>0.02</td><td>Antioxidant</td></tr><tr><td>Euxyl K712 (Schülke & Mayr GmbH)</td><td>1.00</td><td>Preservative</td></tr><tr><td>Sodium Hydroxide</td><td>q.s.</td><td>pH Adjuster</td></tr><tr><td>Total</td><td>100.00</td><td></td></tr></tbody></table>				% by Weight	Functionality	=== Phase 1 ===			Deionized Water	75.70	Carrier	Carbopol® Ultrez 10 (Lubrizol Corporation) Carbomer	0.60	Thickener	Skin Repair BIO (Hyteck SA) Alcohol (and) Water (and)	0.10	Active	Onopordum Acanthium Flower/Leaf/Stem Extract			=== Phase 2 ===			STEPAN-MILD® GCC-L	16.40	Emollient	Radiasurf 7900 (Oleon) Glyceryl Stearate	3.20	Emulsifier	Stearic Acid 40EO (Mosselman) PEG-40 Stearate	0.80	Emulsifier	Nacol 16 (Sasol) Cetyl Alcohol	2.00	Co-emulsifier, Thickener	=== Phase 3 ===			Fragrance - Hypo 158 (Givaudan)	0.20	Fragrance	Tocopherol (Mosselman) Tocopherol	0.02	Antioxidant	Euxyl K712 (Schülke & Mayr GmbH)	1.00	Preservative	Sodium Hydroxide	q.s.	pH Adjuster	Total	100.00	
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Procedure	<div><div><div>1. Heat phase 1 to 65°C (149°F) with mixing.</div><div>2. Heat phase 2 to 65°C (149°F) and homogenize.</div><div>3. Add phase 2 to phase 1 with mixing.</div><div>4. Homogenize 2 minutes with an ULTRA-TURAXX® mixer using high shear rates.</div><div>5. Cool down to 45°C (113°F) and add phase 3 under stirring, following the above described order.</div><div>6. Cool down to room temperature under stirring.</div></div><div>**Note: Euxyl K712 supplied by Schülke & Mayr GmbH is defined chemically as: Aqua (and) Sodium Benzoate (and) Potassium Sorbate.</div></div>																																																					
Physical Properties	Appearance, as is	White cream																																																				
	pH, as is	5.5																																																				
	Viscosity at 25°C, cps	52,500																																																				
Storage/ Stability	4 weeks at 25°C	Stable																																																				
	4 weeks at 45°C	Stable																																																				
	4 weeks at 5°C	Stable																																																				
Instructions for Use	Apply to skin and rub in																																																					

External
Comment

Marketing Notes: INCI List: Aqua, Glyceryl Caprylate/Caprate, Glycerin, Glyceryl Stearate, Monopropylene Glycol, Cetyl Alcohol, PEG-40 Stearate, Carbomer, Alcohol, Onopordum Acanthium Flower/Leaf/Stem Extract, Sodium Benzoate, Potassium Sorbate, Perfume, Tocopherol, Sodium Hydroxide

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Additional
Assistance

For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe).
For ordering assistance, call our Account Service Department at 1-800-457-7673.

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