



Formulation

Name	SUNSCREEN LOTION WITH ZINC OXIDE (W/O EMULSION)	
No.	809	
Description	Sunscreen lotion with excellent tactile properties and organic sunscreens	
Formulation	INGREDIENTS: === Phase 1 === Deionized Water STEPANQUAT® ML PEG-12 Laurate === Phase 2 === Silicone DC-344 (Dow Corning) Cyclomethicone Abil EM-90 (Goldschmidt) Cetyl Dimethicone Copolyol Lipocol L (Lipo) Lauryl Alcohol === Phase 3 === Z-Cote-HP1 (BASF) Zinc Oxide NEOBEE® M-5 COSMETIC === Phase 4 === Preservative, Dye, Fragrance Total	<u>% by Weight</u> q.s. to 100 2.0 0.5 20.0 1.0 1.0 5.0 5.0 q.s. <hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 100.0
Procedure	Prepare Phase 1. Prepare Phase 2. Add Phase 1 into Phase 2. Mix well. Premix ingredients in Phase 3 and add into main batch. Mix for 20-25 minutes. Add Phase 4. Homogenize for 3-5 minutes at 5000 rpm.	
Physical Properties	Appearance at 25°C SPF (estimated) pH, at 25°C Viscosity, at 25°C, cps	opaque lotion 5 4.5-5.0 2000-3000
Storage/ Stability	2 months at 25°C 2 months at 42°C 2 months at 50°C.	Stable Stable Stable
Instructions for Use	Apply as a normal lotion.	
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For 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. The information contained herein is based on the manufacturer's own study and the works of others and is subject to change	

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