



# Formulation

Name	<b>SOLID MOISTURIZING LOTION</b>	
No.	1376	
Description	This hot-pour solid lotion uses natural oils and emollients to soften and moisturize dry skin. The melting point of this lotion is close to body temperature, meaning it is easy to remove from the container and apply to the skin. Leaves a soft, powdery, non-shiny finish.	
Formulation	<b>INGREDIENTS:</b>	<b><u>% by Weight</u>   <u>Functionality</u></b>
	=== Phase 1 ===	
	NEOBEE® M-5 COSMETIC	8.00 Emollient
	STEPANQUAT® Helia	17.00 Conditioning Agent
	WECOBEE® S	8.00 Emollient
	WECOBEE® M	38.00 Emollient
	Shea Butter	22.70 Moisturizing Agent
	Candelilla Wax	0.80 Structure Agent
	=== Phase 2 ===	
	MSS-500W (Kobo Products, Inc.) Silica	4.50 Occlusive Agent
	Fragrance	q.s. Fragrance
	Dye	q.s. Dye
	<b>Total</b>	<b>100.00</b>
Procedure	<ol style="list-style-type: none"> <li>In a vessel with suitable heating and mixing capabilities, charge Phase 1 ingredients.</li> <li>Begin heating to 167°F(75°C) with regular mixing until all solids are melted and batch is clear and uniform.</li> <li>Add MSS-500W to the vessel at 167°F(75°C) and mix until uniformly dispersed.</li> <li>Add Fragrance and Dye, if desired, to vessel at 167°F(75°C) with regular mixing. Hold at 167°F(75°C) not more than 15 minutes before casting.</li> <li>Cast bulk material into molds and allow to cool for 24 hours.</li> </ol> <p>Note: Ensure batch has constant mixing when casting to ensure silica is uniformly dispersed.</p>	
Physical Properties	Appearance, as is	Light yellow solid
Storage/ Stability	4 weeks at 5°C	Stable
	4 weeks at 25°C	Stable
	Freeze/Thaw	Pass
Instructions for Use	Rub onto skin.	
External Comment	Marketing Notes: BCI = 97. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. Other non-Stepan ingredients were not evaluated. For further information on Stepan's BCI, visit <a href="http://www.stepan.com">www.stepan.com</a> . Natural is defined as 100% bio-based, which is defined as sourced from plant, animal or marine sourced materials.	
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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).  
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