

Name	TRANSPARENT GLYCERIN SOAP BAR WITH BIO-TERGE 804	
No.	875	
Description	Transparent soap bar for hands, face or body which provides abundant lather, low irritation, excellent hardness, and transparency.	
Formulation	INGREDIENTS:	% by Weight Functionality
	=== Phase 1 === Propylene Glycol Glycerin (Emery) Sorbo 70% Sorbitol Solution (SPI Polyols) Sorbitol BIO-TERGE® 804 === Phase 2 === Stearic Acid (Uniqema) Myristic Acid (Uniqema)	 18.75 Solvent 6.25 Solvent 20.00 Solvent 30.00 Surfactant 13.00 Fatty Acid 6.00 Fatty Acid
	=== Phase 3 === Sodium Hydroxide, 50% solution	6.00 Neutralizer
	Total	100.0
Procedure	Add Phase 1 ingredients to a mixing vessel. Begin heating and mixing at 300 rpm. At 140°F, add Phase 2 ingredients to the mixing vessel. Continue to heat and mix. At 165°F, add Phase 3 slowly to mixing vessel. Mix for about 20 minutes or until mixture is homogenous and transparent. Take a small sample and measure Free Fatty Acid content (unreacted, unneutralized free fatty acid level should be between 0.2 - 0.9% Stepan Method 050-O). Discontinue mixing and let batch stand 1 hour at 165°F. If air is incorporated in batch, let batch stand until air is released. Pour into soap molds once mix is free of air.	
Physical Properties	Appearance at 25°C pH, 10% aqueous Color Free Fatty Acid, % (Stepan Method 050-0)	Transparent soap bar 9-10 Clear yellow 0.2 - 0.9
Storage/ Stability	Soap Bar - 3 months at 25ºC	Stable
Instructions for Use	Place bar in hand. Rotate in water, lather and rinse.	
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For	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).	

Additional Assistance

For ordering assistance, call our Account Service Department at 1-800-457-7673.

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