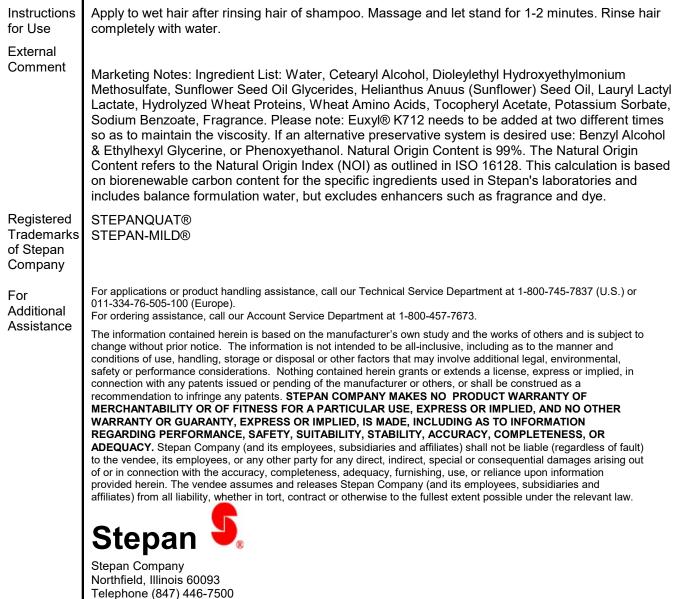


Name	THE SHOW ANIMAL COLLECTION: SILICONE-FREE CONDITIONER		
No.	1440		
Description	Follow up your shampoo with a conditioner that will soften your animal's hair and make it easier to comb and brush out. This naturally derived conditioner is free of silicones that could weigh down hair or leave a sticky or greasy build-up.		
Formulation	INGREDIENTS:	<u>% by Weight</u>	<u>Functionality</u>
	=== Phase 1 === Deionized Water Euxyl® K712 (Schülke & Mayr SA) Potassium Sorbate (and) Sodium Benzoate	q.s. to 100.0 0.4	Carrier Preservative
	=== Phase 2 === Cetearyl Alcohol STEPANQUAT® Soleil STEPAN-MILD® L3 Helianthus Anuus (Sunflower) Seed Oil	2.0 1.0	Viscosity Builder Conditioning Agent Emollient Feel Enhancer
	=== Phase 3 === Tocopheryl Acetate (Vitamin E) Hydrolyzed Wheat Protein Wheat Amino Acids Euxyl® K712 (Schülke & Mayr SA) Silky Touch (Mane & Fils SA) Fragrance Dye	0.1 0.1 0.4 0.2	Antioxidant Additive Additive Preservative Fragrance Dye
	=== Phase 4 === Citric Acid, 50% Solution	q.s.	pH Adjuster
	Total	100.0	
Procedure	<ol> <li>Add Deionized water and heat water to 65°C (149°F).</li> <li>At 65°C (149°F), add Euxyl® K712 as part of Phase 1.</li> <li>In a separate vessel, melt Cetearyl Alcohol, STEPANQUAT® Soleil, STEPAN-MILD® L3, and Helianthus Anuus (Sunflower) Seed Oil together with mixing at 65°C (149°F).</li> <li>Once combined, add Phase 1 to Phase 2. Use a dispersion mixer to emulsify.</li> <li>Slowly begin to cool down the emulsion to 40°C (104°F).</li> <li>Add Phase 3 ingredients in the order listed above with mixing.</li> <li>Once at room temperature, adjust pH, if necessary, with Citric Acid, 50% Solution.</li> </ol>		
Physical Properties	Appearance, as is pH, as is Viscosity at 25ºC (Brookfield LV2 V3), cps	White, opaque, viscous liquid 3.0 - 4.0 32,000	
Storage/ Stability	4 weeks at 20°C 4 weeks at 45°C 4 weeks at 5°C	Stable Stable Stable	



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