



Formulation

Name	THE PET CARE COLLECTION: NO-RINSE PET CLEANSER		
No.	1416		
Description	If you have an active pet, you may need a few more tools in your home grooming arsenal to keep your pet clean. This No-Rinse Cleanser is great for quick clean-ups while you're on the go or can't squeeze in a full bath. Shake, pump and rub into your pet's coat to help keep them clean from environmental dirt and odor. Any excess cleanser can be wiped off with a dry towel.		
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u>	<u>Functionality</u>
	=== Phase 1 ===		
	Deionized Water	q.s. to 100	Diluent
	Natrosol™ 250 HHR (Ashland) Hydroxyethylcellulose	0.05	Feel Enhancer
	=== Phase 2 ===		
	Glycerin	0.30	Humectant
	ALPHA-STEP® PC-48	5.00	Cleansing Agent
	STEPAN-MILD® L3	0.20	Emollient
	#229796 Cucumber Melon WS (Belle Aire Fragrances)	0.40	Fragrance
	Microcare® BDB (Thor) Benzyl Alcohol (and) Dehydroacetic Acid (and) Benzoic Acid	1.00	Preservative
	=== Phase 3 ===		
	ABS™ Colloidal Oat G PET (Active Concepts, LLC)	0.10	Additive
	Hydrolyzed Rice Protein	0.10	Additive
	STEPANQUAT® Soleil	0.20	Conditioning Agent
	=== Phase 4 ===		
	Citric Acid	q.s.	pH Adjuster
	Sodium Hydroxide	q.s.	pH Adjuster
	Total	100.00	
Procedure	<ol style="list-style-type: none"> 1. Charge Deionized Water to the main tank and begin fast mixing. 2. Add in Natrosol™ 250 HHR with fast mixing then adjust pH to 8.0 with Sodium Hydroxide (as a diluted solution or granules). 3. When the batch is clear and uniform, adjust the pH to 5.0 with Citric Acid (as a diluted solution or granules). 4. Add in Glycerin, ALPHA-STEP® PC-48, STEPAN-MILD® L3, #229796 Cucumber Melon WS (fragrance), and Microcare® BDB, one-by-one to the main tank with regular mixing, ensuring each item is completely incorporated before adding the next ingredient. 5. Add ABS™ Colloidal Oat G PET, Hydrolyzed Rice Protein, and STEPANQUAT® Soleil, one-by-one to the main tank with regular mixing, ensuring each item is completely incorporated before adding the next ingredient. 6. Use Citric Acid and Sodium Hydroxide (as diluted solution or granules) to adjust the pH of the formulation. <p>**Note: The INCI Name for the following materials is as follows: ABS™ Colloidal Oat G PET from Active Concepts, LLC is Colloidal Oatmeal</p>		

Physical Properties	Appearance, as is pH, as is Viscosity at 25°C, cps Color (visual)	Slight hazy to clear liquid 5.0 - 6.0 (Target: 5.5) Water Thin Light yellow
Storage/Stability	3 months at Room Temperature 3 months at 40°C 3 months at 5°C Freeze/Thaw, 3 cycles	Stable Stable Stable Pass
Instructions for Use	Dispense from a spray component onto hand or towel and rub into the pet's coat. Pat with a dry towel as needed.	
External Comment	Marketing Notes: Ingredient List - Water, Sodium Methyl 2-Sulfolaurate, Disodium 2-Sulfolaurate, Glycerin, Lauryl Lactyl Lactate, Dioleoylethyl Hydroxethylmonium Methosulfate, Sunflower Seed Oil Glycerides, Colloidal Oatmeal, Hydrolyzed Rice Protein, Fragrance, Benzyl Alcohol (and) Dehydroacetic Acid (and) Benzoic Acid. Natural Origin Content is 99%. The Natural Origin Content refers to the Natural Origin Index (NOI) as outlined in ISO 16128. This calculation is based on biorenewable carbon content for the specific ingredients used in Stepan's laboratories and includes balance formulation water, but excludes enhancers such as fragrance and dye.	
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