



# Formulation

Name	<b>PREMIUM MILD DOG SHAMPOO</b>	
No.	485	
Description	This mild gel can be used to shampoo dogs and is formulated without amide.	
Formulation	<b>INGREDIENTS:</b>	<b><u>% by Weight</u></b>
	Deionized Water	q.s. 100.0
	STEOL® CS-130 (or STEOL® CS-130 HP)	30.0
	AMPHOSOL® CA	20.0
	Tween 20 (Uniqema) Polysorbate 20	5.0
	HALLSTAR® PEG 6000 DS (Hallstar) PEG-150 Distearate	2.0
	Citric Acid	q.s.
	Fragrance, Dye, & Preservative	q.s.
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"> <li>1. To Deionized Water, add STEOL® CS-130 (or STEOL® CS-130 HP) and PEG-150 Distearate.</li> <li>2. Heat to 60°C and mix until PEG-150 Distearate is completely dispersed.</li> <li>3. Add Tween 20 and AMPHOSOL® CA and blend well.</li> <li>4. Cool to 30°C.</li> <li>5. Adjust pH to 6.5–7.3 with Citric Acid.</li> <li>6. Add Fragrance, Dye, and Preservative, if desired.</li> </ol> <p>*Note: When formulating with STEOL® CS-130 HP, a greater amount of Citric Acid may be needed to adjust the pH within the recommended range as noted, than when formulating with STEOL® CS-130.</p>	
Physical Properties	Appearance, as is	Light yellow liquid
	pH, as is	6.5–7.3
	Viscosity at 25°C, cps	100,000
Storage/Stability	2 weeks at 50°C	Stable
	Freeze/thaw, 3 cycles	Pass
Instructions for Use	Apply to wet coat, lather and rinse.	
External Comment	Marketing Notes: This formulation does not contain amides. AMPHOSOL® HCA-HP may be a potential substitute for AMPHOSOL® CA. It should be noted that stability testing using this AMPHOSOL® HCA-HP has not been completed on this formulation, and in addition to the pH adjustment taking a greater amount of Citric Acid, the substitution may also yield slightly different physical properties.	
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For Additional Assistance	<p>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).</p> <p>For ordering assistance, call our Account Service Department at 1-800-457-7673.</p> <p>The information contained herein is based on the manufacturer's own study and the works of others and is subject to change</p>	

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