



Formulation

Name	GREEN TEA CLEANSING AND TONING WIPES SOLUTION	
No.	1279	
Description	This wipes solution gently cleanses and tones skin with naturally-derived* cleansers ALPHA-STEP® PC-48 and AMPHOSOL® 2CSF-AF, and antioxidant-rich green tea extract. Simply apply over the face and neck with a soft cloth. Suitable for wipes packages. *The Stepan surfactants used in this formulation are greater than 50% BCI.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	q.s. to 100.0 Carrier
	Glycerin	3.0 Humectant
	Green Tea Leaf in Glycerin - 3345GL (Bio-Botanica, Inc.)	0.1 Additive
	ALPHA-STEP® PC-48	6.0 Primary Surfactant
	AMPHOSOL® 2CSF-AF	5.0 Secondary Surfactant, Chelating Agent
	Citric Acid	q.s. pH Adjuster
	Fragrance	q.s. Fragrance
	Preservative	q.s. Preservative
	Total	100.0
Procedure	1. In an appropriate vessel, charge Deionized Water, Glycerin, Green Tea Leaf, ALPHA-STEP® PC-48, and AMPHOSOL® 2CSF-AF. Mix until homogenous and clear. 2. Adjust the pH with Citric Acid, and add Fragrance and Preservative.	
Physical Properties	Appearance at 25 °C	Clear, water thin liquid
	pH, as is	5.5 - 6.5
Storage/Stability	4 weeks at 5 °C	Stable
	4 weeks at 25 °C	Stable
	4 weeks at 45 °C	Stable
	Freeze/Thaw, 3 cycles	Pass
Instructions for Use	Pre-wash skin with water. Soak towelettes in wash. Rub the skin with the towelette, and work in to skin to create a rich lather. Rinse off with water and repeat as desired.	
External Comment	Marketing Notes: Naturally-derived is defined as surfactants sourced from plant, animal or marine feedstocks. BCI = 79. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. Other ingredients were not evaluated. For further information on Stepan's BCI, visit www.stepan.com .	
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For Additional Assistance	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). For ordering assistance, call our Account Service Department at 1-800-457-7673.	

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