



# Formulation

Name	<b>GREEN TEA CLEANSING AND TONING WIPES SOLUTION</b>	
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
	<b>Total</b>	<b>100.0</b>
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 <a href="http://www.stepan.com">www.stepan.com</a> .	
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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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