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# VANDERBILT

## Minerals Formula

### Sulfur and Salicylic Acid Shampoo No. A583

		<b>Wt. %</b>
<b>A</b>	<b>VEEGUM® HS</b> Magnesium Aluminum Silicate (Magnesium Aluminum Silicate)	2.0
	<b>VANZAN® NF</b> Xanthan Gum (Xanthan Gum)	0.50
	Water	76.75
<b>B</b>	Sucrose Stearate (Surfhope® SE Cosme C-1811 <sup>1</sup> )	1.25
	Cetyl Alcohol	1.0
<b>C</b>	Glycerin	4.0
	Sulfur (Yellow Jacket® Wettable Sulfur II <sup>2</sup> )	2.0
	Sodium Laureth Sulfate	10.0
	Salicylic Acid, USP	2.0
<b>D</b>	Preservative	q.s.
	Sodium Hydroxide, 50%	q.s.

**Procedure:** While heating the water to 65°C, slowly add the **VEEGUM HS** and **VANZAN NF** sequentially or as a dry blend to the water agitated at maximum available shear. Mix until fully hydrated. Maintaining temperature at 65°C, add Part B ingredients in order, mixing after each addition until uniform. Cool with stirring to ambient temperature. Slowly add the part C and Part D ingredients in the order listed, mixing after each addition until uniform. Avoid the incorporation of air. Adjust to approximately pH 4.5 with sodium hydroxide solution.

#### RAW MATERIAL SUPPLIERS

<sup>1</sup>Arch Personal Care Products L.P., South Plainfield, NJ

<sup>2</sup>Georgia Gulf Sulfur Corp., Valdosta, GA

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Yellow Jacket is a registered trademark of Georgia Gulf Sulfur Corporation.

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