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VANDERBILT

Minerals Formula

Rubifacient Liniment No. A369

	Wt. %
A VEEGUM® R Magnesium Aluminum Silicate (Magnesium Aluminum Silicate)	1.5
Water	54.7
FG-10 Antifoam ¹	0.2
Propylene Glycol	3.0
B Methyl Salicylate	15.0
Menthol	5.0
Polysorbate 80 (Tween® 80 ²)	0.6
C ₁₈ -C ₃₆ Acid (Syncrowax™ AW1-C ³)	5.0
Glyceryl Stearate (and) PEG-100 Stearate (Arlacel® 165 ²)	15.0
C Preservative	q.s.

Procedure: While heating the water to 75-80°C, slowly add the **VEEGUM R** to the water agitated at maximum available shear. Mix until fully hydrated. Add the remaining Part A ingredients and mix until uniform. Maintain the water phase at 75- 80°C. Blend the Part B oil phase ingredients and heat to 75-80°C. Add Part B to Part A with good agitation. Cool with mixing; add the preservative when the emulsion is <40°C.

RAW MATERIAL SUPPLIERS

¹Dow Corning Corporation, Midland, MI

²Uniqema, New Castle, DE

³Croda, Inc., Edison, NJ

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