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VANDERBILT

Minerals Formula

Analgasic Liniment No. A360

	Wt.%
A VEEGUM® R Magnesium Aluminum Silicate (Magnesium Aluminum Silicate)	1.5
Water	56.8
Propylene Glycol	3.0
10% Silicone Emulsion (FG-10 Antifoam Emulsion ¹)	0.2
Mineral Oil, Light	10.0
Acetylated Lanolin Alcohol (Acetulan ²)	7.0
Menthol, USP	1.0
B Benzocaine, USP	5.0
Polysorbate 60 (Tween® 60 ³)	0.5
C ₁₈ -C ₃₆ Acid (Syncrowax™ AW1-C ⁴)	3.0
Glyceryl Stearate (and) PEG-100 Stearate (Arlacel® 165 ³)	12.0
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, keeping the benzocaine suspended. 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
²Lubrizol Advanced Materials, Inc.,
 Cleveland, OH
³Uniqema, New Castle, DE
⁴Croda, Inc., Edison, NJ

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Vanderbilt Minerals, LLC, 33 Winfield Street, P.O. Box 5150, Norwalk, CT 06856-5150
Telephone: (800) 562-2476 - Fax: (203) 855-1220 - Web Site: vanderbiltminerals.com

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