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PROTOTYPE FORMULA

Benzocaine Cream No. 360

		Wt.%
	VEEGUM® R Magnesium Aluminum Silicate	1.5
A	Water	56.8
	Propylene Glycl	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
	C18-C36 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

TRADEMARKS

VEEGUM is a registered trademark of Vanderbilt Minerals, LLC.

Acetulan is a registered trademark of The Lubrizol Corporation.

Arlacel and Tween are registered trademarks of Uniqema Americas LLC.

Syncrowax is a trademark of Croda, Inc.

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