

Mosquito Repellant Cream No. 457

	Wt.%
A	VEEGUM® Ultra Magnesium Aluminum Silicate 0.4
	Carbomer (Carbopol® 940 ¹) 0.4
	Water 79.2
B	N,N-Diethyl-m-Toluamide 15.0
	Glyceryl Stearate (and) PEG-100 Stearate (Arlacel® 165 ²) 5.0
C	Sodium Hydroxide Solution to pH 5.5 q.s.
D	Preservative q.s.

Procedure: Begin heating the water to 50-55°C. Slowly add the **VEEGUM® Ultra** and carbomer sequentially or as a dry blend to the water agitated at maximum available shear. Mix until fully hydrated. Maintain Part A at 50-55°C. Heat Part B to 50-55°C. Add Part A to Part B with good agitation. Cool with mixing; add the sodium hydroxide and preservative when the emulsion is <35°C.

RAW MATERIAL SUPPLIERS¹Lubrizol Advanced Materials, Inc., Cleveland, OH²Croda, Inc., Edison, NJ**TRADEMARKS****VEEGUM** is a registered trademark of Vanderbilt Minerals, LLC.

Arlacel is a registered trademark of Uniqema Americas LLC.

Carbopol is a registered trademark of Lubrizol Advanced Materials, Inc.

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