

## ALOE O/W EMULSION CONTAINING ALOE VERA

Experience the nurturing power of Aloe with our Aloe O/W Emulsion. Enriched with Aloe Vera, this emulsion delivers soothing care, leaving your skin feeling refreshed and rejuvenated.

Item	Ingredient	Wt%
A	Mineral oil	5.0
	Dicaprylyl ether (Cetiol OE from Cognis)	3.0
	Mixture of Cetareth-20, Cetareth-12, Cetareth-20	3.0
	(Emulgin B2 from Cognis)	1.0
	2-Ethylhexyl palmitate	3.0
B	Cetyldimethicone (Abil Wax 9801 from Glycerol)	0.1
	Distilled water	5.0
C	Methylparaben	15.0
	Palm oil	0.2
	Fragrance	0.2
D	Imidazolidinylurea (Germall 115)	0.4
	<b><u>INNOVALOE ALOE VERA GEL CONCENTRATE 10:1</u></b>	0.3
	Distilled water	1.0
		67.80



### Procedure:

Phases A and B were heated separately, with stirring, and homogenized. Phase B was poured into phase A while stirring slowly, and the mixture was heated as far as the phase inversion temperature (PIT) which is at a temperature of about 60 to 80° C. The water-in-oil emulsion obtained becomes virtually transparent during the heating. The heating was stopped when the emulsion became white and the phase C was poured into the emulsion while maintaining slow stirring, and then as soon as the emulsion became transparent during cooling, it was diluted by adding phase D. A slightly bluish, fluid (viscosity of about 1 cPoise) oil-in-water emulsion was obtained. After storing at various temperatures, the pH remains stable. Aloe vera stabilizes the pH of the composition.

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