



Product Name: Sebodulin™ Trouble-care Emulsion

Recipe

Phase	No	Trade Name	INCI Name	w/w%
I	1	Lanette-O	Cetostearyl Alcohol	0.50
	2	Arlacel 165	Glyceryl Stearate/PEG-100 Stearate	1.00
	3	GMS 205	Glyceryl Stearate	1.00
	4	Myrj 52	PEG-40 Stearate	1.00
	5	Arlacel 60	Sorbitan Stearate	0.50
	6	Vegetol CEH	Cetyl Ethylhexanoate	5.00
	7	Vegetol MCT	Caprylic/Capric Triglyceride	3.00
	8	DC Silicone 200F / 100CS	Dimethicone	0.30
II	9	DI Water	Water	75.73
	10	EDTA-3Na	Trisodium EDTA	0.02
	11	D-Panthenol	Panthenol	0.20
	12	KMO-6	1,2 Hexanediol	3.00
	13	1,3BG	Butylene Glycol	2.00
	14	Glycerine	Glycerin	3.00
III	15	Keltrol F	Xanthan Gum	0.10
	16	Carbopol 981	Carbomer	0.15
IV	17	Sebodulin		2.00
	18	Tris Amino Ultra PC (10%)	Tromethamine	1.50
Total				100.00

Manufacturing process

1. Dissolve ingredients of 1 to 8 until 75°C to prepare the oil phase (phase I).
2. Mix ingredients of 9 to 14, and completely dissolve using Disper Mixer to prepare the water phase (phase II).
3. During mixing the phase II with Disper Mixer, slowly add phase III (ingredient 15 and 16) and disperse.
4. Heat the phase II and phase III mixed solution up to 75°C, and add phase I and emulsify using Homo Mixer for 3 minutes (5,000 rpm).
5. Add **Sebodulin™** and ingredient 18, and mix for additional 2 minutes.
6. Cool down the emulsion into room temperature using water bath.