

After Shave Gel for Men with Vertasil® TM-L01 & SiBrid® DE-12

Vertasil® TM-L01 can be used as a cyclomethicone replacement and is especially effective when combined with SiBrid® DE-12 in products geared for men. The multifunctional Vertasil® TM-L01 siloxane base provides emolliency while the limone segment cleans and refreshes the skin.

INCI Name	Ingredient	Supplier	Wt%
Phase A			
Water (Aqua)	Deionized Water		q.s.
Isopropyl Alcohol	Isopropanol		10.00
Carbomer	Carbopo® 940	Lubrizol	0.3-0.50
Tetrasodium EDTA			0.10
Populus tremuloides (Aspen) Bark Extract			0.40
Lavendula angustiflora (Lavender) Flower Extract			0.50
Calendula officinalis (Calendula) Extract			0.50
Citrus limonum (Lemon) Peel Extract			0.50
Thymus vulgaris (Thyme) Extract			0.50
Phase B			
Methylcyclohexenyl Isopropyl Trisiloxane	Vertasil® TM-L01	Gelest/Paradigm Science	4.00
Prunus Amygdalus Dulcis (Sweet Almond) Oil			3.00
Sesamum Indicum (Sesame) Seed Oil			3.00
Simmondsia Chinensis (Jojoba) Seed Oil			3.00
Polglyceryl-3 Oleate	Caprol® 3GO	Abitec	1.90
Polydiethylsiloxane	SiBrid® DE-12	Gelest/Paradigm Science	1.00
Tocopherol	Vitamin E	DSM	0.50
Bisabolol			0.25
Olive Oil PEG-7 Esters	Olivem 300 Esters	Hallstar	0.10
Phase C			
Sodium Hydroxide	NaOH (25% Soln)		q.s.
Fragrance	Burberry-Type		q.s.
Blue 1	FD&C Blue 1 Soln	Emerald	q.s.
Red 40	FD&C Red 40 Soln	Emerald	q.s.
Preservative			q.s.
Water (Aqua)	Deionized Water		q.s.
Total			100

Procedure:

- In Phase A, premix water and Isopropyl alcohol under propeller blade. Slowly add Carbomer and mix at 800-1000 rpm for 15 minutes or until hydrated. Add remainder of Phase A and continue mixing at 300 rpm.
- Premix Phase B under propeller blade. Slowly add Phase B to Phase A and mix until emulsified at 800-1000 rpm.
- Premix Phase E and add to Phase B. Homogenization until blended.
- In Phase C, adjust Phase AB to pH of 5.5-6.0. Reduce speed to 400-600 rpm. In order, add remainder of Phase C to Phase AB and mix until dispersed and uniform.

Formula courtesy of



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