

Guide Formulation

Personal Care

Shaving Oil Gel (SH-2)

SeraSense® GB 25 is a gum blend of very high viscosity dimethicone and 350cS, meaning the carrier will not evaporate, unlike other gum blends. This product is perfect for reducing razor burn and moisturising the skin. As it is an emulsion, it is easily washed off the skin.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Aqua (Water)	To100	-	Vehicle
PEG-12 Dimethicone	1.00	SeraSol® SC 81/KCC Beauty	Humectant
Propanediol	10.00	Zemea/IMCD (Dupont)	Humectant
Glycerin	5.00	Surfac G995V/Surfachem	Humectant
Citric Acid	0.11	Surfac Citric Acid Mono BP/Surfachem	pH Adjuster
Phenoxyethanol (and) Benzyl Alcohol (and) Potassium Sorbate (and) Aqua (and) Tocopheryl	1.00	Euxyl K700/Schülke	Preservative
Phase B			
Sodium Acrylate (and) Sodium Acryloyldimethyl Taurate Copolymer (and) Isohexadecane (and) Polysorbate 80	4.00	Simulgel EG/Seppic	Thickener
Dimethicone	25.00	SeraSense® GB 25/KCC Beauty	Moisturising/Improves Razor Glide
Isopropyl Myristate	3.00	Surfac IPM/Surfachem	Emollient
Olea Europaea (Olive) Fruit Oil	3.00	Seatons Olive Pomace Oil/Seatons	Moisturising
Parfum (Fragrance)	0.10	Vitamin 248 Fragrance/Givaudan	Fragrance
Phase C			
Colourant	q.s.	-	Aesthetics

Typical Properties

Appearance:	Turquoise, viscous gel
Viscosity @ 25°C:	>15000cP (Brookfield RVT, Sp4, 10rpm)
pH @ 25°C:	5.5 - 6.5

Method

Mix the ingredients of Phase A until homogenous.
 In a separate vessel, mix the ingredients of Phase B.
 Add B to A and stir until thick and smooth.
 Add Phase C.



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Please note that the above formulation is only intended as a guide. It is not a commercial formulation and has not been tested as such. The formulation should be evaluated and modified for your own requirements before use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.