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## Unisex Short Hair Style and Sculpt

<u>Code</u> <b>J38-7B</b>	<u>Application</u> <b>Hair Care</b>	<u>Body Parts</u> <b>Hair</b>	<u>Form</u> <b>Solid</b>	<u>Appearance</u> <b>Opaque</b>	<u>Emulsion Type</u> <b>Oil in Water</b>
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A soft waxy paste that is ideal for conditioning, sculpting, molding, and holding short hair without weighing it down or making it feel heavy. Ideal for Men's Grooming, short styled, or buzzed hair.

Trade Name					
Phase	INCI Name	%	Vendor	Highlight Jeen Ingredients	
A	DI H2O Di H2o	25.350			
A	PVP 30% Solution Aqua (and) Polyvinylpyrrolidone	27.500			
A	Structure Style Hydroxypropyl Starch Phosphate	0.5500	Akzo Nobel		
A	<b>JEESPERSE® ICE-T CPCS</b> Cetearyl Alcohol (and) Behentrimonium Chloride (and) Polyquaternium 37	3.0000	Jeen	An Engineered multi-functional skin and hair conditioner, softens skin, improves hair texture and repairs damaged hair while imparting richness and softness.	
B	<b>GLYCERIN 99.7% USP</b> Glycerin	3.5000	Jeen		
B	<b>JEECHEM® FS-102</b> Hexylene Glycol, Peg-25 Hydrogenated Castor Oil, Peg-40 Hydrogenated Castor Oil	11.2500	Jeen	A Co-Solubilizer, us Jeechem® FS-102 or FS-103 to fit your water soluble ingredients into oil, or our oil soluble ingredients into water. Excellent for Fragrance solubility, use this ingredient at a 1:1 or 2:1 ratio to the ingredient your solubilizing.	
B	<b>JEESORB® O-20 NF</b> Polysorbate 80	0.7500	Jeen		
C	SOY ALKANES Hydrogenated Soy Alkanes	0.7500			
C	<b>ISOHEXADECANE</b> Isohexadecane	9.0000	Jeen	Isohexadecane is a slightly volatile aliphatic hydrocarbon with excellent spreading characteristics. It has a slight emollient feel and is particularly good at lifting sebum and oil off of skin and hair. Isohexadecane is also widely used to improve slip of final products without drag or residue, it accommodates "Oil-Free" claims and can work with silicones to create evolving textures and sensory feel.	
C	<b>JEECHEM® ININ</b> Isononyl Isononanoate	1.8000	Jeen	A versatile LMW dry ester with a dry powdery feel. This thin viscosity ester is used to balance out end feel with silicones and oils in skin care, hair care, anti-perspirants, and sprays. It lends a nice powdery soft end feel.	
C	<b>JEELUX® D2T</b> Isohexadecane, Dimethicone, Triisostearyl Citrate, Bis-vinyl Dimethicone/dimethicone Copolymer	2.2750	Jeen	The 'Jeelux' line of ingredients are patented, providing Silicone/Ester functionality in 1 easy-to-use ingredient. Jeelux D2T provides benefits from our polymer & ester combination, such as shine, skin feel and film formation. However, the combination provides a major difference when comparing these ingredients singularly, in that Jeelux D2T has a film that is very comfortable, flexible and non-tacky.	
C	<b>JEESILC® EM-90</b> Cetyl Peg/ppg-10/1 Dimethicone	0.9100	Jeen		

C	JEENATE® 3H Polyethylene	4.7150 Jeen	A Linear Polyethylene with a Melt Point of 69°C. Use this low melting PE to add thickness/structure to your oil phase. Jeenate 3H provides a light feel and enhanced film formation for sun care or active delivery. Ideal in any hot pour application or as a secondary structuring agent for a stick, it adds improved soft feel and 'payout'. Small percentages can be used to enhance stability in any emulsion. A 'Cold Process Wax' version of this ingredient exists as Jeesperse CPW-3. Use at 0.5 -10%.
C	JEENATE® 5H Polyethylene	4.8000 Jeen	A Linear Polyethylene with a Melt Point of 85°C. Use this polyethylene to add thickness/structure to your oil phase. At low percentages, Jeenate 5H will provide a light feel and enhanced film formation for sun care or active delivery, as well as enhance the stability profile. Primarily used as a structuring agent for a stick application. Use at 5 - 10%.
C	JEENATE® 2H Polyethylene	2.3500 Jeen	A Linear Polyethylene with a Melt Point of 58°C. Use this low melting polyethylene to add thickness/structure to your oil phase. Jeenate 2H will also provide a light feel and enhanced film formation for sun care or active delivery. Small percentages can be used to enhance stability profile. A 'Cold Process Wax' version of this ingredient exists as Jeesperse CPW-2. Use at 0.5 - 10%.
D	Fragrance	0.4500	
D	Linalol	0.0500	
D	JEECIDE® CAP-5 Phenoxyethanol, Caprylyl Glycol,potassium Sorbate,water, Hex Glycol	1.0000 Jeen	Add this Broad Spectrum Preservative System at 0.5-1.5% in any emulsion for complete microbial protection in your formula. Paraben-Free, Formaldehyde-Free and Globally Compliant.
		100.0000 %	

#### Procedure

- 1 In main vessel, add Phase A and mix with propeller mixing until homogeneous.
- 2 Add Phase B to Phase A and mix until homogeneous and begin heating to 75-80°C.
- 3 In side vessel, add Phase C and heat to 75-80°C until melted.
- 4 Add Phase C to Phase AB to and mix until homogeneous.
- 5 Begin cooling to 70-75°C and add Phase D.
- 6 Cool again and pour between 65-70°C.

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