

### Self-Tanning Cream Formulation J7/53A LP

**JEEQUAT® Naturally Derived Conditioning System** Paste is a ready to use, economical skin care cationic conditioner concentrate naturally derived containing Behenyl Trimethyl Ammonium Chloride at a 17 % active quaternary level. It forms stable low-pH formulations and has excellent skin conditioning, suspending and emulsification properties.

Phase	Ingredients	INCI Nomenclature	Supplier	%
A	Deionized Water	Water		66.75
A	<b>JEECHEM® BG</b>	<b>Butylene Glycol</b>	<b>JEEN Int'l</b>	<b>2.00</b>
A	<b>JEEQUAT® NDCS - Paste</b>	<b>Glycerin &amp; Cetyl Alcohol &amp; Behentrimonium Chloride &amp; Cocamidopropyl Betaine &amp; Sorbitan Laurate</b>	<b>JEEN Int'l</b>	<b>12.00</b>
A	Dihydroxyacetone	Dihydroxyacetone		5.00
B	Deionized Water	Water		0.50
B	Sodium Metabisulfite	Sodium Metabisulfite		0.05
C	<b>JEECSILC® 35C</b>	<b>Phenoxyethanol &amp; Caprylyl Glycol &amp; Potassium Sorbate &amp; Water &amp; Hexylene Glycol</b>	<b>JEEN Int'l</b>	<b>9.00</b>
C	<b>JEESILC® 110</b>	<b>Dimethicone</b>	<b>JEEN Int'l</b>	<b>3.00</b>
C	<b>JEESILC® PS-DMBF</b>	<b>Dimethicone &amp; Bis-Vinyl Dimethicone/Dimethicone Copolymer</b>	<b>JEEN Int'l</b>	<b>1.50</b>
D	<b>JEECIDE CAP-5</b>	<b>Phenoxyethanol &amp; Caprylyl Glycol &amp; Potassium Sorbate &amp; Water &amp; Hexylene Glycol</b>	<b>JEEN Int'l</b>	<b>0.7</b>
	10% Citric Acid	Adjust pH to 3.5-4.5		

**Specifications:**

pH: 3.50 – 4.50

**Procedure:**

1. Add in the water and butylene glycol of Phase A and begin low speed homogenizing agitation.
2. Slowly add in the Jeequat NDCS Paste and mix until the batch is smooth and uniform.
3. Add in the DHA and mix until totally dissolved.
4. Pre-mix Phase B and add to the batch.
5. Pre-mix Phase C and add to the batch. Mix well using low speed homogenizing agitation.
6. Adjust pH with 10% Citric Acid

### ***You Can Count On Us!***

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