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Hand & Body Moisturizer with Elastomer Replacements (Non-Crosslinked Silicones) Formulation J4/19 A,B,C, D & E

JEESILC® PS-VHBF, PS-DMBF, PS-CMBF and D5R are PATENTED non-crosslinked silicone copolymers that provide an exceptional elegant, smooth feel without oiliness. JEECID® CAP-5 is a globally-approved broad spectrum paraben-free preservative system effective against bacteria, yeast and mold. JEECHEM® FS-102 is a cost effective fragrance and oil solubilizer to assist in dissolving anhydrous raw materials in high water systems.

Phase	Ingredients	INCI Nomenclature	Supplier	% A Control	% B VHBF	% C DMBF	% D D5R	% E CMBF
A	Deionized Water	Water		81.0	77.0	77.0	77.0	77.0
A	Ultrez® 10	Carbomer	Noveon	0.40	0.40	0.40	0.40	0.40
B	Stearic Acid	Stearic Acid	JEEN Int'l	3.50	3.50	3.50	3.50	3.50
B	Cetyl Alcohol	Cetyl Alcohol	JEEN Int'l	1.00	1.00	1.00	1.00	1.00
B	Stearyl Alcohol	Stearyl Alcohol	JEEN Int'l	1.50	1.50	1.50	1.50	1.50
B	JEECHEM® TN	C12-15 Alkyl Benzoate	JEEN Int'l	7.00	7.00	7.00	7.00	7.00
B	JEESORB® O-20	Polysorbate 80	JEEN Int'l	0.50	0.50	0.50	0.50	0.50
C	TEA 99%	Triethanolamine	JEEN Int'l	0.60	0.60	0.60	0.60	0.60
D	JEECID® CAP-5	Phenoxyethanol & Caprylyl Glycol & Potassium Sorbate & Water & Hexylene Glycol	JEEN Int'l	1.00	1.00	1.00	1.00	1.00
D	Vitamin E Acetate	Tocopheryl Acetate	JEEN Int'l	0.50	0.50	0.50	0.50	0.50
D	JEECHEM® FS-102	Hexylene Glycol & PEG-25 Hydrogenated Castor Oil & PEG-40 Hydrogenated Castor Oil	JEEN Int'l	1.00	1.00	1.00	1.00	1.00
D	Fragrance	Fragrance		0.50	0.50	0.50	0.50	0.50
E	JEESILC® PS-VHBF	Isododecane & Bis-Vinyl Dimethicone/Dimethicone Copolymer	JEEN Int'l	X	4.00	X	X	X
E	JEESILC® PS-DMBF	Dimethicone & Bis-Vinyl Dimethicone/Dimethicone Copolymer	JEEN Int'l	X	X	4.00	X	X
E	JEESILC® PS-D5R	Bis-Vinyl Dimethicone /Dimethicone Copolymer & C13-16 Isoparaffin & C12-14 Isoparaffin & C13-15 Alkane	JEEN Int'l	X	X	X	4.00	X
E	JEESILC® PS-CMBF	Cyclomethicone & Bis-Vinyl Dimethicone/Dimethicone Copolymer	JEEN Int'l	X	X	X	X	4.00
F	Algae Extract	Algae Extract	Botanicals Plus®	1.50	1.50	1.50	1.50	1.50
G	FD&C Blue #1				q.s.			q.s.
G	D&C Yellow #5					q.s.		q.s.
G	FD&C Red #40						q.s.	

Ultrez® 10 is a registered trademark of Noveon

Procedure:

- 1.) Add D.I. Water and sprinkle in Ultrez® 10 using propeller mixing. Heat Phase A to 70°C.
- 2.) Add Phase B ingredients one at a time to the batch and maintain 70°C.
- 3.) Switch to sweep agitation and add Phase C. Mix well.
- 4.) Pre-mix Phase D in a side vessel.
- 5.) Cool batch to 50-55°C and add pre-mix Phase D.
- 6.) Add Phase E and mix well.
- 7.) Add Phase F.
- 8.) Add Phase G.
- 9.) Cool batch to RT.

You Can Count On Us!

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