



Reference Formula

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Baby Sunscreen lotion (5300+Helia) (SPF 82 ★★★)

EP-SC-LWO-0011B V1

FORMULA

Phase	Ingredient (Trade Name)	Ingredient (INCI Name)	% By Weight	Function
O1	ES-5300 Formulation Aid ¹	Lauryl PEG-10 Tris(trimethylsiloxy)silylethyl Dimethicone	2.00%	Emulsifier
	FZ-2233 ¹	Bis-Isobutyl PEG/PPG-10/7/Dimethicone Copolymer	0.50%	Emulsifier
	ERCAREL TCC V ¹⁴	Caprylic/Capric Triglyceride	5.00%	Emollient
	PMX-200 Silicone Fluid 2.0 cSt ¹	Dimethicone	3.00%	Emollient
	Echium Oil Refined ¹⁰	Echium plantagineum seed oil	1.50%	Emollient/ Active
	STEPANQUAT HELIA ¹³	Disunfloweroylethyl Dimonium Chloride (and) Sunflower Seed Oil Glycerides (and) Lauryl Lactyl Lactate	2.00%	Stabilizer
O2	ES-5300 Formulation Aid ¹	Lauryl PEG-10 Tris(trimethylsiloxy)silylethyl Dimethicone	0.50%	Sunscreen dispersant
	DOWSIL™ FZ-3196 Fluid ¹	Caprylyl Methicone	10.00%	Sunscreen dispersant
	Innospec: Sunsol [™] BOS 2502 Cosmetic Fluid ¹	Butyloctyl Salicylate Cetyl Dimethicone	5.00% 1.50%	Sunscreen dispersant Sunscreen dispersant / SPF enhancer
	Parsol TX ²	Titanium Dioxide, Silica, Dimethicone	8.00%	UV Filer/Sunscreen Agent
	Parsol ZX ²	Zinc Oxide, Triethoxycaprylsilane	8.00%	UV Filer/Sunscreen Agent
W	D.I Water	D.I Water	Up to 100%	Water
	Sodium chloride	Sodium chloride	1.00%	Co-Emulsifier
	DOw Dipropylene Glycol LO+ ¹	Dipropylene Glycol	3.00%	Moisturizer

Recommendations contained, herein this Reference Formula, are advisory only.

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A	3901 Liquid Satin Blend	Dimethicone (and) Dimethicone/ Vinyl Dimethicone Crosspolymer	1.50%	Skin feel modifiers
B	Preservative	Preservative	Q.S.	Preservative

Suppliers: 1. Dow Chemical; 2. DSM; 10. Northstar Lipids; ;13. Stepan 16. Lothar Streeck

***使用前請搖一搖**
建議放在有鋼珠瓶器中

PROCEDURE

1. Phase O2 grinding (homogeneous) to dispersion.
2. Mix phase O2 + O1 evenly.
3. Dissolve phase W.
4. Slowly add phase W to phase O for homogeneous emulsification.
5. Add phases A and B in sequence and stir and disperse evenly.

SPECIFICATION

APPEARANCE	: White lotion
VISCOSITY	: approx. 2,790 ± 10% (55.9%) (RVDV-E, RV3, 20 rpm, 3 min, 25°C)

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