



# Reference Formula

Sample preparation date: 2024/08/20

## 含水防曬水珠噴噴

EP-SC-O-0041A\_V1

Description:

Inspired by Biore sunscreen oil, **Parsol MCX**, **Parsol DHHB**, **Parsol EHT**, and **Parsol Shield** are used to make an effective sunscreen. In the meanwhile, **Parsol SLX** and **dl- $\alpha$ -Tocopherol** ideally make the formula more stable to boost the UV protective effects.

### FORMULA

Phase	Ingredient (Trade Name)	Ingredient (INCI Name)	% By Weight	Function
O1	<b>ERCAREL AB</b> <sup>14</sup>	<b>C12-C15 Alkyl Benzoate</b>	<b>9.00</b>	Solvent
	<b>Parsol MCX</b> <sup>2</sup>	<b>Ethylhexyl Methoxycinnamate</b>	<b>9.69</b>	UV filter
	<b>Parsol DHHB</b> <sup>2</sup>	<b>Diethylamino hydroxybenzoyl hexyl benzoate</b>	<b>3.00</b>	UV filter
	<b>Parsol EHT</b> <sup>2</sup>	<b>Ethylhexyl Triazone</b>	<b>3.00</b>	UV filter
	<b>Parsol Shield</b> <sup>2</sup>	<b>Bis- Ethylhexyloxyphenol Methoxyphenyl Triazine</b>	<b>0.50</b>	UV filter
	<b>Parsol SLX</b> <sup>2</sup>	<b>Polysilicone-15</b>	<b>2.00</b>	UV filter
O2	<b>ERCAREL IPP V</b> <sup>14</sup>	<b>Isopropyl Palmitate</b>	<b>7.00</b>	Solvent
	<b>DOWSIL™ MQ-1600 Solid Resin</b> <sup>1</sup>	<b>Trimethylsiloxysilicate</b>	<b>1.50</b>	Film-former
	<b>XIAMETER™ PMX-200 Silicone Fluid, 2 cSt</b> <sup>1</sup>	<b>Dimethicone</b>	<b>8.00</b>	Solvent
A	<b>dl-<math>\alpha</math>-Tocopherol</b> <sup>2</sup>	<b>Tocopherol</b>	<b>0.10</b>	Active
B	Ethyl Alcohol(99.5%)	Ethyl Alcohol	Up to 100	Solvent

Supplier: 1. DOW; 2.DSM; 14. Erca Wilmar

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

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## PROCEDURE

1. Prepare phase O1 under 70-80°C.
2. Prepare phase O2 and pour it into O1 when O1 is cooled down to room temperature.
3. Add phase A and phase B to the main tank.

## SPECIFICATION

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APPEARANCE : Yellow Liquid

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*It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product*

*or its use. You must comply with all applicable laws and regulations and observe all third party rights.*

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