



Children's Watery Protective Sunscreen (RB24053101)

OLP-3100 10% +OLI-2902 0.2%+Cellpolypid®-PMB 8100E 2%

| Phase | Trade Name | INCI Name | Supplier | Dosage (%) |
|-------|-----------------------------------|---|------------|------------------|
| A | KF 6017 | PEG-10 DIMETHICONE | | 3.00 |
| | GI-34 | POLYGLYCERYL-4 ISOSTEARATE | | 0.50 |
| | KF-96A-10CS | DIMETHICONE | | 2.00 |
| | R972 | SILICA DIMETHYL SILYLATE | | 0.30 |
| | BENTON GEL VS-5 PCVHV | CYCLOPENTASILOXANE /DISTEARDIMONIUM HECTORITE/PROPYLENE CARBONATE | | 3.00 |
| | GTCC | CAPRYLIC/CAPRIC TRIGLYCERIDE | | 4.00 |
| | TN | C12-15 ALKYL BENZOATE | | 3.50 |
| | PMX-0245 | CYCLOPENTASILOXANE | | 12.00 |
| | LANOL 99 | ISONONYL ISONONANOATE | | 8.00 |
| | SUNSIL-150H | SILICA | | 2.00 |
| | OLP-3100 | ZINC OXIDE & BUTYL &POLYQUATERNIUM-61& TRIETHOXYCAPRYLYLSILANE | OLI | 10.00 |
| | WATER | WATER | | Add to100 |
| B | 1.3-BG | BUTYLENE GLYCOL | | 3.00 |
| | OLI-2902 | DIPOTASSIUM GLYCYRRHIZINATE | OLI | 0.20 |
| | GLYCERIN | GLYCERIN | | 3.00 |
| | Cellpolypid®-PMB 8100E | WATER & POLYQUATERNIUM-51 & 1,2-HEXANEDIOL | OLI | 2.00 |
| | MAGNESIUM SULFATE | MAGNESIUM SULFATE | | 0.50 |
| | XANTHAN GUM | XANTHAN GUM | | 0.02 |
| C | PHENOXYETHANOL | PHENOXYETHANOL | | 0.50 |

Process:

- 1 Add **phase A** raw materials to the main pot, turn on stirring and disperse evenly, heat to the target 85 °C, and keep warm;
- 2 Add **phase B** raw materials to the clean container, turn on stirring and heating, target 85 °C, stir until completely dissolved; The main pot turns on the vacuum and low-speed homogenization, slowly draws in the raw materials of **phase B**, and after all
- 3 **phase B** is added to the main pot, the high-speed homogenization is turned on, and the temperature is cooled after emulsification for 7 minutes;
- 4 At about 40 °C, add **phase C** raw materials and homogenize at low speed for 3 minutes;

Note: The formula is for reference only, any concern regarding the formula stability & patent, test and/or varification maybe needed by your organization.