


# EASY SUN PROTECT: Emulsion Spray SPF 15

Ref. SU-006-001

**This emulsion spray SPF 15 has a light and invisible texture.** It spreads very easily without leaving a greasy film, to protect the skin from sunburn and heating. What's inside?

- **Beauté by Roquette® DS 146** O/W emulsifier, delivering a dry and smooth after-feel.

Cno: 89%  pH: 6.7 ± 0.3

| | INGREDIENT (INCI) | COMMERCIAL NAME (SUPPLIER) | % W/W |
|---|---|---|---|
| PHASE A1 | Aqua | NA | 81.00 |
| | Bentonite | Kunipia-F (Kunimine) | 2.00 |
| PHASE A2 | **Cyclodextrin, Sorbitol, Polyglyceryl-3 Diisostearate** | **Beauté by Roquette® DS 146 (Roquette)** | **2.00** |
| PHASE A3 | Propanediol | Zemea® Propanediol (Dupont Tate & Lyle) | 4.00 |
| | Phenoxyethanol, Chlorphenesin, Aqua, Glycerin | Microcare® PHC (Thor) | 1.00 |
| PHASE B | Ethylhexyl Methoxycinnamate | Eusolex® 2292 (Merck) | 7.50 |
| | Dietylamino Hydroxybenzoyl Hexyl Benzoate | Uvinul® A plus (BASF) | 2.50 |
| PHASE C | Citric Acid | Citric Acid Monohydrate (Cooper) | QS to adjust pH |

## PROCESS

1. Heat water phase A1 to 40 °C and disperse Bentonite under agitation with a propeller at 500 rpm for 5 min,
2. Add Beauté by Roquette® DS 146 under agitation at 1,000 rpm for 10 min,
3. Prepare phase A3 and add into phase A1+A2 under agitation at 1,000 rpm,
4. Prepare phase B and mix under agitation at 1,000 rpm while heating up to 40 °C,
5. Emulsify phase B into phase A under agitation at 3,000 rpm for 15 min,
6. Allow to cool down to room temperature under agitation at 1,000 rpm and add phase C to adjust pH.



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