

# UV Defense SPF 30 (theoretical SPF 30)

Reference: FD 19-01-07G8A1

INCI name	%	Function
<b>PHASE A</b>		
Water ( <i>Aqua</i> )	up to 100.00	
Glycerin	5.00	Humectant
Sodium Chloride	1.00	Stabilizing Agent
Disodium EDTA	0.50	Chelating Agent
Preservative	a.n.	Preservative
<b>PHASE B<sub>1</sub></b>		
Polyglyceryl-2 Oleate ( <i>and</i> ) Polyhydroxystearic acid ( <i>and</i> ) Polyglyceryl-2 Stearate - PolyAqual™ OS2	4.00	Emulsifier
Isodecyl Neopentanoate	3.00	Emollient
Paraffinum Liquidum	3.00	Emollient
Magnesium Stearate	1.00	Lipophilic gelling Agent
<b>PHASE B<sub>2</sub></b>		
Ethylhexyl Salicylate	2.50	Organic UV Filter
Ethylhexyl Methoxycinnamate	5.00	Organic UV Filter
Bis-Ethylhexyloxyphenyl Methoxyphenyl Triazine	3.00	Organic UV Filter
Diethylamino Hydroxybenzoyl Hexyl Benzoate	2.00	Organic UV Filter
Ethylhexyl Triazone	1.50	Organic UV Filter
Zinc Oxide ( <i>and</i> ) Triethoxycaprylylsilane	2.00	Inorganic UV Filter
<b>PHASE B<sub>3</sub></b>		
Cyclopentasiloxane	9.00	Emollient
<b>PHASE C</b>		
Parfum	a.n.	Parfum
VISCOSITY after 24h Brk, RVDV-I Prime, Sp 93, 10 rpm		5000 – 10000 cps

## Procedure:

- Prepare phase B1 and warm it up to 75°C;
- Add the ingredients of phase B2 to phase B1 in the given order and stir;
- Add phase B3 to phase B1+B2 below 60°C
- Prepare phase A and warm it up to 70°C;
- Add phase A to phase B and homogenize for a few minutes;
- Cool down to 40°C and add phase C under gentle stirring.