

KOM16

ENGLISH

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Category formula	Sunscreen
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BODY SUN CREAM HIGH PROTECTION SPF 30

INGREDIENTI/INGREDIENTS

COMMERCIAL NAME	INCI NAME	%	SUPPLIERS
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1	EUSOLEX OCR	OCTOCRYLENE	10	MERCK
2	OLIVE OIL	OLEA EUROPAEA OIL	0,9	KALICHEM ITALIA SRL
3	TOCOPHERYL ACETATE	TOCOPHERYL ACETATE	0,1	VARI/VARIOUS
4	EUSOLEX 9020	BUTYL METHOXYDIBENZOYLMETHANE	2	MERCK
5	MYRITOL 318	CAPRYLIC/CAPRIC TRIGLYCERIDE	6	COGNIS SPA
6	OLIVOIL EMULSIFIER	CETEARYL ALCOHOL, GLYCERYL OLEATE, GLYCERYL STEARATE, POTASSIUM OLIVOYL HYDROLYZED WHEAT PROTEIN	10	KALICHEM ITALIA SRL
7	DIMETHICONE 350	DIMETHICONE	0,2	VARI/VARIOUS
8	CETYL ALCOHOL	CETYL ALCOHOL	4	VARI/VARIOUS
9	WATER DEMIN./DEPUR.	AQUA	42,3	VARI/VARIOUS
10	EUSOLEX 232	PHENYLBENZIMIDAZOLE SULFONIC ACID	2	MERCK
11	SODIUM HYDROXIDE (SOL. 10%)	SODIUM HYDROXIDE, AQUA	3	VARI/VARIOUS
12	OLIVOIL PCA	POTASSIUM OLIVOYL PCA, AQUA	2	KALICHEM ITALIA SRL
13	OLIVOIL GLUTAMMATE	SODIUM OLIVOYL GLUTAMATE, AQUA	1,5	KALICHEM ITALIA SRL
14	APALIGHT (30% active substance)	HYDROXYAPATITE, AQUA	15	KALICHEM ITALIA SRL
15	Sepigel 305	LAURETH-7, POLYACRYLAMIDE, C13-14 ISOPARAFFIN	1	SEPPIC

METODO/METHOD

A	Prepare contemporaneously phases B and C.
B	Heat all of the ingredients from number 1 to 8 to a temperature of 72°C +/- 2° C Mixing; maintaining this temperature until all of the solids are completely dissolved and perfectly homogeneous.
C	Melt Eusolex 232 in water mixing and adding slowly the Sodium Hydroxyde solution, mix for 20' until clear solution. Heat to a temp. of 75° +/- 2°C, continuing to mix and at a constant temp. until union with phase B.
D	When the indicated temp. for each of the two precedent phases has been reached (B at 72°C +/- 2°C and C at 75°C +/- 2°C), unite slowly (dribble) 1/3 of phase C to phase B, whilst stirring and Homogenise the product. Successivley, add the rest of phase C more quickly, continuing always to stir and Homogenise. After the union, continue to stirring and Homogenise for around 10 minutes.
E	Cool the product (continuing to stirring and Homogenise), until it arrives at a temp. of 40°C. Following this, Homogenise may be ceased, but stirring continued until it reaches room temperature.
F	Add 12, stirring and homogenise for 2 minutes until in an homogeneous phase, presenting as a lucid, white emulsion
G	Add 13, stirring and homogenise for 2 minutes until in an homogeneous phase, presenting as a lucid, white emulsion
H	Add APALIGHT stirring and homogenise until an homogeneous phase, presenting as a lucid, white emulsion
I	Add the sepigel to the remnant stirring and homogenising until a white gel emulsion is reached
J	Add parfum preservative and lactic acid or sodium hydroxide as required until reaching a ph of 6,8 - 7,5. Brookfield viscosity: S6 30g/min 7.000 - 10.000 cps