

# Formulation Example

**MSAS.1116.01.01.25**

**Glowing sun fluid - Golden beige**

**SPF 30, UVA**

Ingredients	Art. No.	INCI EU	[%]
<b>A</b>			
Eusolex® 232 USC	1.32429 (1)	PHENYLBENZIMIDAZOLE SULFONIC ACID	4.00
Neutralizing agent			q.s
Water, demineralized		AQUA	ad 100
<b>B1</b>			
RonaCare® AP	1.30163 (1)	BIS-ETHYLHEXYL HYDROXYDIMETHOXY BENZYL MALONATE	0.50
Eusolex® EHT	1.32994 (1)	ETHYLHEXYL TRIAZONE	2.00
Eusolex® OS	1.06949 (1)	ETHYLHEXYL SALICYLATE	5.00
DHHB		DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	5.00
Cetiol® B	(2)	DIBUTYL ADIPATE	18.00
<b>B2</b>			
Fluidifeel Easy	(3)	LAURYL GLUCOSIDE, POLYGLYCERYL-6 LAURATE, MYRISTYL GLUCOSIDE	3.00
Emogreen™ L15	(3)	C15-19 ALKANE	5.00
<b>C</b>			
Sepimax Zen™	(3)	POLYACRYLATE CROSSPOLYMER-6	0.40
Solagum™ AX	(3)	ACACIA SENEGAL GUM, XANTHAN GUM	0.10
<b>D</b>			
Colorona® Beige	1.17237 (1)	MICA, CI 77891, CI 77491	1.00
Ronastar® Copper Sparks	1.17047 (1)	CALCIUM ALUMINUM BOROSILICATE (OR ALTERNATIVELY: CALCIUM SODIUM BOROSILICATE), SILICA, CI 77891, TIN OXIDE	1.00
Ronastar® Golden Lights	1.17231 (1)	ALUMINA (OR ALTERNATIVELY: SYNTHETIC SAPPHIRE), CI 77891, TIN OXIDE	2.00
RonaFlair® LDP White	1.17755 (1)	SODIUM POTASSIUM ALUMINUM SILICATE, CI 77891, SILICA	3.00
<b>E</b>			
Preservative			q.s
<b>F</b>			
Citric acid, 10 % solution		AQUA, CITRIC ACID	q.s

## Procedure:

Mix the ingredients of phase A together and stir until homogeneous. Adjust pH to approx. 7.2-7.4 if necessary.

Heat separately phase B1 and phase B2 to 80°C, then add phase B2 into phase B1 while stirring. Add phase C to phase B1/B2 while stirring.

Heat phase A to 80°C. Add phase A to phase B/C while stirring and homogenize.

Cool down and at T= 60°C, add the premixed phase D and stir until homogeneous.

Cool down and at T < 40°C, add phase E and stir until homogeneous.

Adjust pH to 6.9-7.3 with phase F if necessary.

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**Notes:**

Appearance : golden beige fluid O/W emulsion

pH (24°C) : 7.0

Viscosity : 2 300 cP (Fungilab Expert, Spindle R3, 10 rpm) at 24°C

Stability : 3 months at room temperature, 4°C, 40°C and 1 week at 50°C

**Suppliers:**

(1) Susonity Commercial GmbH, Germany and/or its affiliates

(2) BASF AG

(3) Seppic

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