

DEFINITION

EMULZOME SOLAIRE (OMC 30/BENZO 10) is a fluid microdispersion of fatty compounds/water SURFACTANT-FREE containing 30 % Octyl Methoxycinnamate and 10 % Benzophenone 3.

ANALYTICAL COMPOSITION

100 g EMULZOME SOLAIRE (OMC 30/BENZO 10) contain :

		I.N.C.I. Names
Esters of fatty acids (solid PCL)	2.0 g	Stearyl Heptanoate (and) Stearyl caprylate
Octyl methoxycinnamate	30.0 g	Octyl Methoxycinnamate
Benzophenone 3	10.0 g	Benzophenone 3
Hydrogenated lecithin	1.0 g	Hydrogenated lecithin
Methyl parahydroxybenzoate	0.2 g	Methylparaben
Propyl parahydroxybenzoate	0.1 g	Propylparaben
Potassium sorbate	0.5 g	Potassium sorbate
Sodium benzoate	1.0 g	Sodium benzoate
Purified water	s.q. 100.0 g	Water

CHARACTERISTICS

White opaque liquid

pH about 6

Specific density at 20° C about 1.02

Miscible with water and glycols in all proportions.

INCOMPATIBILITIES

EMULZOME SOLAIRE (OMC 30/BENZO 10) must not be exposed to temperatures below 0°C.

TOXICITY

The fatty compounds and the sunscreens used are not toxic and perfectly-well tolerated, and it has been proved that the microdispersion does not change this tolerance.

EMULZOME SOLAIRE (OMC 30/BENZO 10) is not toxic : L.D. 0 > 20 ml/kg.

Tolerance is perfect : eye irritation test, acute and subacute toxicity tests.

ACTIVITIES

The size of the dispersed fatty particles confers an increased lipidic surface to EMULZOME SOLAIRE (OMC 30/BENZO 10) which improves its spreading capacity and bioaffinity for the skin.

It helps to give an homogeneous repartition of the sunscreen on the cutaneous surface, thereby increasing its protective activity from U.V.'s.

USING INDICATIONS

EMULZOME SOLAIRE (OMC 30/BENZO 10) is designed for preparing cosmetics with the same aspect and quality as classical emulsions by simply adding a gelified phase. The first interest of EMULZOME SOLAIRE (OMC 30/BENZO 10) is the possibility to formulate stable emulsion-like products free of surfactant : these products are strongly indicated for sensitive skins and eye contour area.

EMULZOME SOLAIRE (OMC 30/BENZO 10) is a base dispersion, which must be diluted with aqueous or oily gels to adjust viscosity. The quantity of EMULZOME SOLAIRE (OMC 30/BENZO 10) used depends on the sunscreen concentration and SPF desired in the finished product.

PRESERVATION

EMULZOME SOLAIRE (OMC 30/BENZO 10) contains the following preservatives :

Methyl parahydroxybenzoate	0.20 %
Propyl parahydroxybenzoate	0.10 %
Potassium sorbate	0.50 %
Sodium benzoate	1.00 %

LITERATURE

Documents available on request.