Solubility of Eusolex® I
solid UV filters in liquid UV filters

liquid UV filters \ solid UV filters	Eusolex® 4360	Eusolex® 9020	Eusolex® 6300
Eusolex® 2292	19 %	19 %	27 %
Eusolex® OCR	27 %	22 %	30 %
Eusolex® 6007	23 %	25 %	31 %
Eusolex® HMS	15 %	15 %	33 %
Eusolex® OS	17 %	16 %	29 %

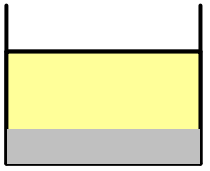
Liquid UV filters are miscible in liquid UV filters (oil in oil) in any ratio.

Solubility of Eusolex® II
UV filters in cosmetic solvents

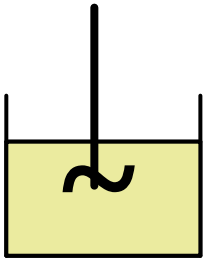
UV-Filters / Oils	Eusolex® 4360	Eusolex® 9020	Eusolex® 6300	Eusolex® 2292	Eusolex® OCR	Eusolex® 6007	Eusolex® HMS	Eusolex® OS
Butylphthalimide Isopropyl-phthalimide (Pelemol BIP)	43 %	32 %	43 %	miscible	miscible	miscible	miscible	miscible
Ethyl Butylacetylaminopropionate (IR 3535)	38 %	26 %	27 %	miscible	miscible	miscible	miscible	miscible
Dipropylene Glycol Dibenzoate (Finsolv PG-22)	29 %	15 %	26 %	Not tested	Not tested	Not tested	Not tested	Not tested
Diethylhexyl 2,6 naphtalate (Hallbrite TQ/ Corapan TQ)	42 %	13 %	33 %	Not tested	Not tested	Not tested	Not tested	Not tested
Triethyl Citrate (Citrofol A I)	21 %	13 %	17 %	Not tested	Not tested	Not tested	Not tested	Not tested
Acetyl Tributyl Citrate (Citrofol B II)	16 %	15 %	18 %	Not tested	Not tested	Not tested	Not tested	Not tested
Butylene Glycol Dicaprylate / Dicaprate (Miglyol 8810)	20 %	13 %	26 %	miscible	miscible	miscible	miscible	miscible
Propyleneglycol/ Dicaprate/Dicaprylate	13 %	5 %	23 %	miscible	miscible	miscible	miscible	miscible
C_{12}-C_{15} Alkyl Benzoate	12 %	13 %	25 %	miscible	miscible	miscible	miscible	miscible
Isopropyl Myristate	8 %	9 %	22 %	miscible	miscible	miscible	miscible	miscible
Capric/Caprylic Triglyceride	13 %	11 %	19 %	miscible	miscible	miscible	miscible	miscible
Ethylhexyl Palmitate	5 %	7 %	16 %	miscible	miscible	miscible	miscible	miscible
Prunus Amygdalus (Almond oil)	8 %	5 %	15 %	miscible	miscible	miscible	miscible	miscible
Persea Gratissima (Avocado oil)	8 %	6 %	13 %	miscible	miscible	miscible	miscible	miscible
Buxus Chinensis (Jojoba oil)	5 %	4 %	12 %	miscible	miscible	miscible	miscible	miscible
Isostearyl Isostearate	3 %	3 %	11 %	miscible	miscible	miscible	miscible	miscible
Ethylhexyl dodecanol	2 %	3 %	10 %	miscible	miscible	miscible	miscible	miscible
Mineral Oil	2 %	1 %	7 %	miscible	5 %	miscible	miscible	miscible
Cyclomethicone	1 %	< 1 %	3 %	miscible	5 %	miscible	miscible	miscible
Dimethicone	1 %	<< 0,1 %	1 %	3,5 %	2 %	3 %	20 %	miscible

Method

1. Preparation of oversaturated suspensions of the UV filter in the oil.



2. Stirring for several hours.



3. Determination of the UV filter dissolved in the supernatant after sedimentation of the undissolved UV filter content.