

Technical Data Sheet

LeSorb[®] Octocrilene

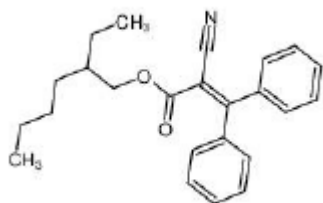
Chemical name: 2-Ethylhexyl 2-cyano-3,3-diphenylacrylate

CAS NO.: 6197-30-4

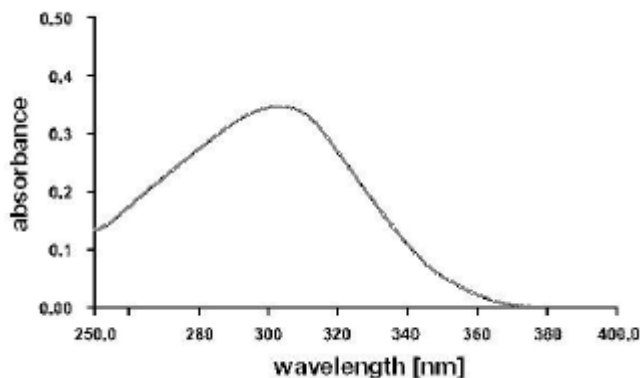
Commodity Name: Octocrilene

Molecular Formula: C₂₄H₂₇NO₂

Structural Formula



UV Characteristics



Application

LeSorb[®] Octocrilene is an oil-soluble UV-B filter that is approved for use in sun care preparations in many countries. As it is miscible with many cosmetic oils, it can readily be incorporated in the oily phase of emulsions and it is particularly suitable for water-repellent and water-resistant formulations. It can be combined with other oil-soluble UV filters such as Benzophenone-3 to give products with a high SPF.

Octocrilene is insensitive to metal ions and effective over a wide range of pH values. It can be used in silicone emulsions (polishes, 0.3-1.0%), liquid inks, acrylic, vinyl and other adhesives (0.3-1.0%), acrylic resins, urea-formaldehyde resins, alkyd resins, epoxy resins, cellulose nitrate, PUR systems, oil paints, polymer dispersions.



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Specifications

Test property	Specification	Remark
Characters		
Appearance: Clear yellow viscous liquid.		
Identification		
Identification (UV):	A. Ultraviolet Absorption <197U> Absorptivities at 303nm do not differ by more than 3.0%.	USP
Identification (GC):	B.The retention time of major peak of the sample solution corresponds to that of the standard solution, as obtained in the Assay.	USP
Tests		
Specific Gravity (at 25°C):	1.045~1.055	USP
Refractive Index (at 20°C):	1.561~1.571	USP
Acidity (0.1mol/L NaOH):	Max. 0.18ml	USP
Specific Extinction: (E1%, 1cm at 303nm)	340~370	
Gardner Color: (10% in toluene)	Max. 4	
Assay		
Assay (GC):	95.0%~105.0% USP	
Purity (GC):	Min. 98.0%	
Impurities		
Total Impurities:	Max. 2.0%	USP
Individual Impurity:	Max. 0.5%	USP
Benzophenone:	Max. 100ppm	
2-Ethylhexanol:	Max. 500ppm	

Packaging Information

25kgs/drum or 200kg/drum