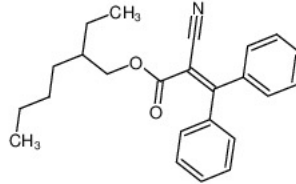


OCTOCRYLENE

Product Name: Octocrylene
Product Code: MFSORB 104
Production Site: MFCI (Huanggang) Co., Ltd.

Properties

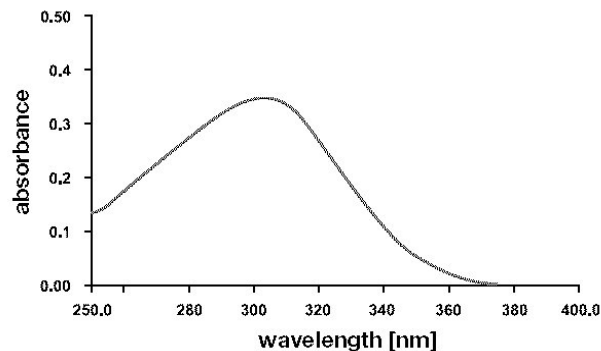
Structure:



Chemical Name: 2-Ethylhexyl 2-cyano-3,3-diphenylacrylate
INCI Name: OCTOCRYLENE
Other names: 2-Cyano-3,3-diphenyl-2-propanoic acid 2-ethylhexyl ester, Octocrilene, UV-3039
CAS No.: 6197-30-4
EINECS No.: 228-250-8
Chemical Formula: C₂₄H₂₇NO₂
Molecular Weight: 361.48

UV Characteristics

UV Characteristics:



Physical Property

Appearance: Clear yellow viscous liquid.
Identification: (USP) A. Ultraviolet Absorption <197U>
Absorptivities at 303nm do not differ by more than 3.0%.
B. The retention time of major peak of the sample solution corresponds to that of the standard solution, as obtained in the

		Assay.
Assay (GC):	(USP)	95.0%~105.0%
Purity (GC):		98.0% min
Specific Gravity (at 25°C):	(USP)	1.045~1.055
Refractive Index (at 20°C):	(USP)	1.561~1.571
Acidity (0.1mol/L NaOH):	(USP)	0.18ml max
Specific Extinction: (E1%, 1cm at 303nm)		340~370
Gardner Color (10% in toluene):		4 Max

Chromatographic Purity (GC)

Total Impurities:	(USP)	2.0% max
Individual Impurity:	(USP)	0.5% max

Benzophenone:	100ppm max
2-Ethylhexanol:	500ppm max

Application

- One big advantage of Octocrylene is its insensitivity to metal ions and effectiveness over a wide range of PH values.
- Other applications are: 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.

Packaging

25kgs/drum, 200kgs/drum, 1000kgs/drum

Storage

Preserve in tight containers. Reseal containers tightly after use. The shelf life of Octocrylene is two years in original, unopened containers.

HS Code

2926909090

NOTE

The data submitted in this publication are based on the current knowledge and experience. They do not constitute a guarantee in the legal sense of the term and, in view of the manifold factors that may affect processing and application, do not relieve processors from the responsibility of carrying out their own tests

and experiments. Any relevant patent rights and existing legislation and regulations must be observed.