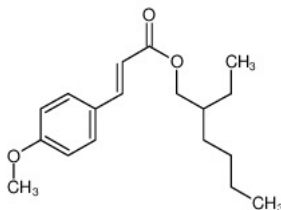


OCTINOXATE

Product Name: Octinoxate
Product Code: MFSORB 505
Production Site: MFCI(Huanggang) Co., Ltd.

Properties

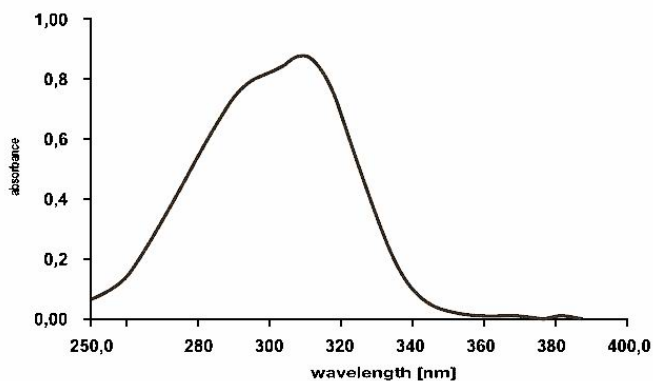
Structure:



Chemical Name: 2-Ethylhexyl 4-methoxycinnamate
INCI Name: ETHYLHEXYL METHOXYCINNAMATE
Other names: Octyl Methoxycinnamate, OMC
CAS No.: 5466-77-3
EINECS No.: 226-775-7
Chemical Formula: C₁₈H₂₆O₃
Molecular Weight: 290.40

UV Characteristics

UV Characteristics:



Physical Property

Appearance: Colorless or light yellow clear liquid.
Odor: Very weak, characteristic
Identification: (USP) **A.** Identification IR <197F>
B. The retention time of the octinoxate 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)	1.005-1.013
Refractive Index (at 20°C):	(USP)	1.542-1.548
Acidity (0.1mol/L NaOH):	(USP)	0.8ml max
A 1%/1cm (310nm in Ethanol):		850 min
Color (Hazen):		70 max
Peroxide Value:		1.0mg/kg max

Chromatographic Purity (GC)

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

Application

Octinoxate (OMC) is approved worldwide and is the most frequently used UV filter. It can readily be incorporated without problem in all the usual cosmetic raw materials (fats and oils). OMC is a good solvent for other ingredients of sun care products. OMC is ideal for use in sun care and skin care products for daily protection. OMC is an exceptional addition to protective hair-care and lip-care products.

Packaging

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

Storage

Preserve in tight containers, in a cool place. The shelf life of Octinoxate is two years in original, unopened containers.

HS Code

2918990090

NOTE

The data submitted in this publication are based on our 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 those to whom we supply our products from the responsibility of carrying out their own tests and experiments. Any relevant patent rights and existing legislation and regulations must be observed.