

Technical Data Sheet

LeSorb[®] OMC

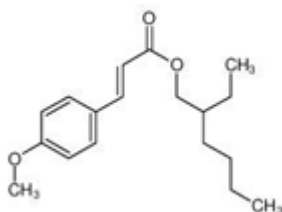
Chemical name: 2-Ethylhexyl 4-methoxycinnamate

CAS NO.: 5466-77-3

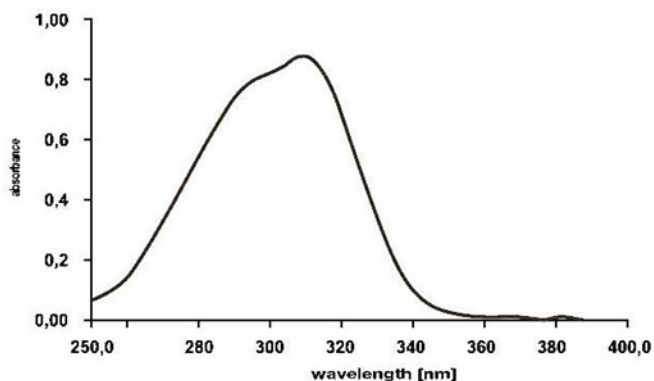
Commodity Name: Octinoxate; Octyl Methoxycinnamate; OMC

Molecular Formula: C₁₈H₂₆O₃

Structural Formula



UV Characteristics



Application

LeSorb[®] OMC is approved worldwide and is the most frequently used as a strong UVB filter. It is an oil soluble, colorless, virtually odorless liquid, which remains a liquid at temperatures as low as - 10°C and can be easily incorporated in the oil phase of a sunscreen formulation. LeSorb[®] OMC boosts the SPF when used in combination with other UV filters. It is ideal for the formulation of water-resistant sunscreen products. LeSorb[®] OMC is an excellent solubilizer for crystalline UV filters, such as DHHB, BMDBM, DHBT, etc.



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Specifications

Test property	Specification	Remark
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Characters

Appearance: Colorless or light yellow clear liquid.

Odor: Very weak, characteristic

Identification

Identification (IR): A. Identification IR <197F> USP

Identification (GC): B. The retention time of the octinoxate peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay. USP

Tests

Specific Gravity (at 25°C): 1.005~1.013 USP

Refractive Index (at 20°C): 1.542~1.548 USP

Acidity (0.1mol/L NaOH): Max. 0.8ml USP

A 1%/1cm (310nm in Ethanol): Min. 850

Color (Hazen): Max. 70

Peroxide Value: Max. 1.0mg/kg

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

Packaging Information

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