

TinSorb™ EHMC UV Filter

INCI: Ethylhexyl Methoxycinnamate



Introduction TinSorb™ EHMC UV Filter is a lipophilic liquid and the most frequently used UVB filter.

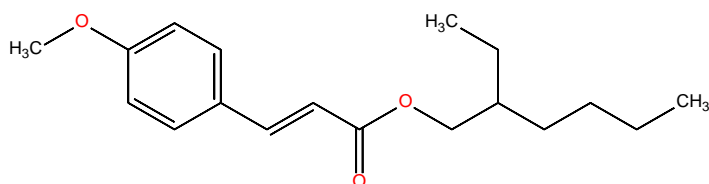
Chemical Name 2-Ethylhexyl 4-methoxycinnamate

INCI Name Ethylhexyl Methoxycinnamate

CAS Number 5466-77-3

EINECS Number 226-775-7

Chemical Structure



Chemical Formula C₁₈H₂₆O₃

Molecular Weight 290.40

Physical Properties

Appearance	Colorless to light yellow clear liquid
Specific Gravity (25°C)	1.005-1.013
Refractive Index (20°C)	1.542-1.548
Acidity (0.1mo/L NaOH)	Max.0.8ml
Color (Hazen):	Max. 70
Purity (%)	Min.98.0

Solubility

Solubility [20°C]	% w/w
Diethylamino Hydroxybenzoyl Hexyl Benzoate	39.0
Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	17.0
Ethylhexyl Triazone	14.0

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Benefits & Applications

TinSorb™ EHMC 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.

TinSorb™ EHMC boosts the SPF when used in combination with other UV filters. It is ideal for the formulation of water-resistant sunscreen products. OMC is an excellent solubilizer for crystalline UV filters, such as DHHB.BMDBM.DHBT.etc.

Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to three years in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

Packing

TinSorb™ EHMC is supplied in 25Kg pail or 200Kg drum.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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2 / 2	www.tintoll.com