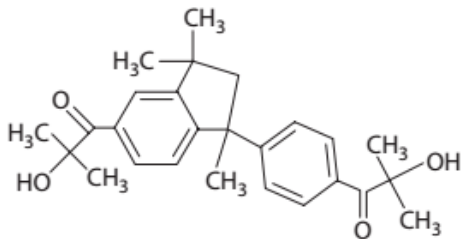


Product Data Sheet

General Information

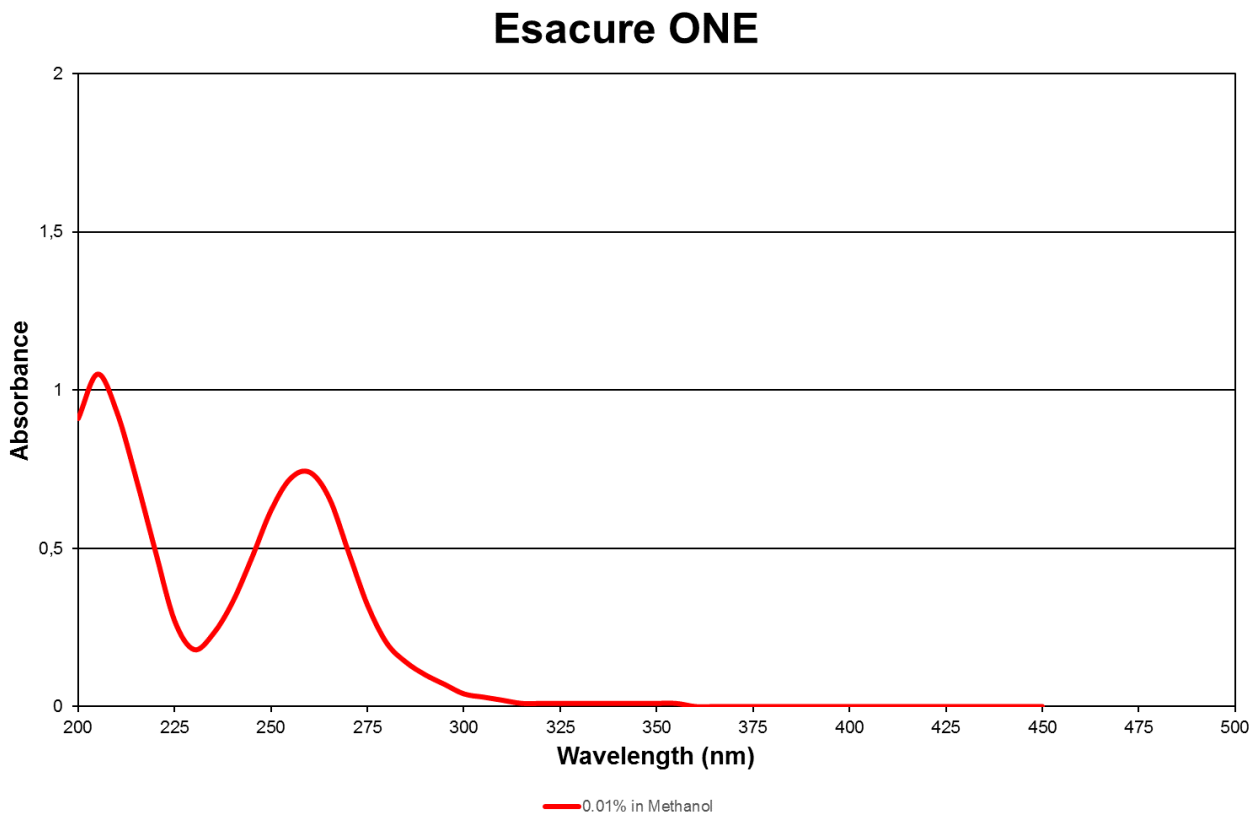
Esacure ONE is a difunctional alpha-hydroxy ketone photoinitiator. It is a highly reactive difunctional photoinitiator particularly suitable for clear systems. Due to its molecular structure it is particularly suitable for all systems where low VOC, low migration and low extraction values are needed (food packaging).

Chemical Data



Chemical Name: Difunctional alpha hydroxy ketone
Molecular weight: 408.5 g/mol
CAS No: 163702-01-0

Absorption Spectrum



Specification

Appearance	Visual	White free flowing powder
Purity	HPLC analysis	≥ 95.0 %
Melting range	Melting Point apparatus	98.0 - 110.0 °C

Additional Typical Properties

Solubility: insoluble in water, soluble in most common organic solvents, monomers and oligomers for UV applications.

Application

Esacure ONE may be used, after adequate testing, in applications such as clear lacquers for wood, plastic, paper, metal, optical fibres, food packaging and powder coatings.

Formulated product properties will depend on the actual reactive monomers, oligomers and additives utilized.

Features & Benefits

Esacure ONE is approved for FDA (FCN772).

Recommended Addition levels

Optimum concentration between 2 and 5% by weight and depends on system composition, thickness, and desired cure speed.

Storage & Handling

Storage must be in a cool, shaded, well ventilated and dry area away from direct sources of heat and sunlight.

Avoid contact with alkaline additives and water. Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 24 months.

Esacure ONE should be handled in accordance with good industrial practice. Further information is provided in the material safety data sheet which is available on request.

Regulatory Status

All information can be found on MSDS (Material safety data sheet) and RIS (Regulatory Information Sheet) available upon request.

Packaging

Esacure ONE is available in 15 kg cartons.

Disclaimer:

The information presented in this data sheet is given in good faith and is based on the material available to us at the time of writing. The information is not to be taken as a warranty or representation for which we assume legal responsibility, nor as permission or recommendation to practice any patented invention without a license. It is offered solely for consideration, investigation and verification.

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