

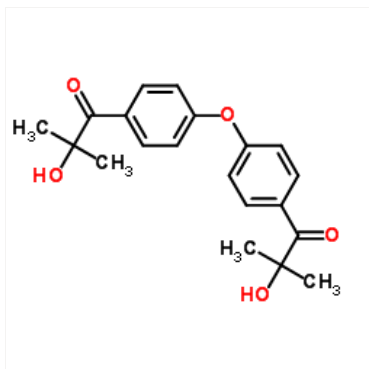
Product Data Sheet

General Information

Esacure KIP 160 is a new photoinitiator characterised by excellent reactivity especially in comparison with conventional alpha hydroxy ketones. Its molecule was suited to shift the absorption spectrum to longer wavelength and to work perfectly with pigmented systems using conventional UV equipments. It shows a good performance with clear coatings too.

Esacure KIP 160 is suitable for all systems where low VOC, low migration and low extraction values are needed.

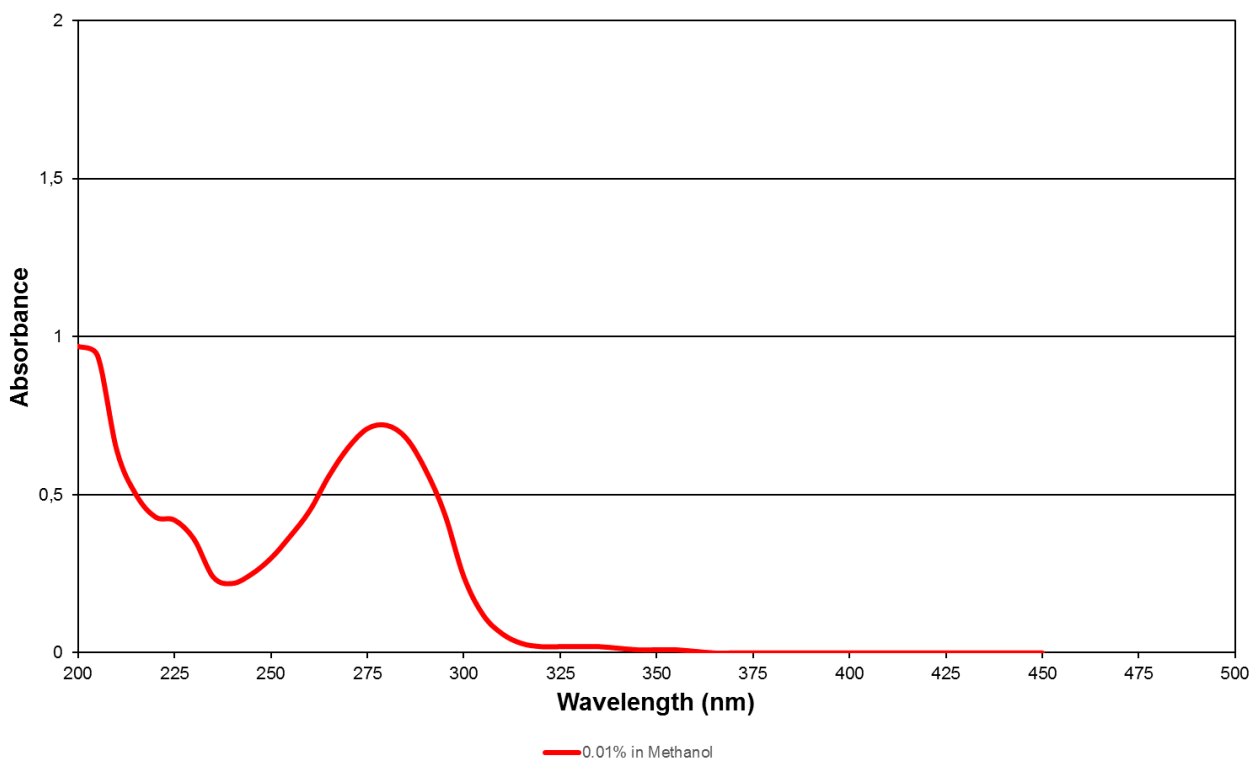
Chemical Data



Chemical Name: Difunctional alpha hydroxy ketone
Molecular weight: 342.4 g/mol
CAS No: 71868-15-0

Absorption Spectrum

Esacure KIP 160



Specification

Appearance	Visual	White powder
Purity	HPLC analysis	≥ 98.0 %
Moisture content	Karl Fischer	≤ 0.5 %

Application

Esacure KIP 160 may be used, after adequate testing, in applications such as clear lacquers for wood, plastic, paper, metal, optical fibres, printing inks (screen, offset, flexo, ink-jet, etc) and food packaging.

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

Recommended Addition levels

Optimum concentration is 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 KIP 160 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 KIP 160 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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