



## Hampford Research INC

Handcrafted Solutions For A High-Tech World

### LEDCUR 5225

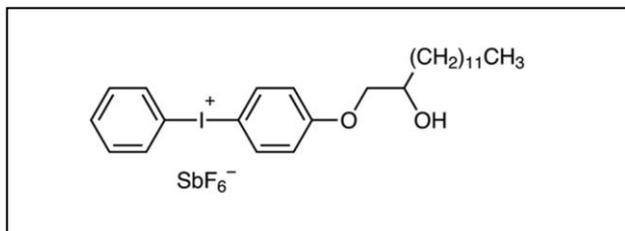
### FP 5225

#### General

LEDCUR 5225 is a highly efficient UV curing agent used to initiate the photopolymerization of prepolymers in combination with mono or multifunctional monomers.

LEDCUR 5225's unique composition provides excellent solubility, cure speed and high temperature stability, making it ideal for most epoxy based systems.

#### Chemical structure



#### Product information

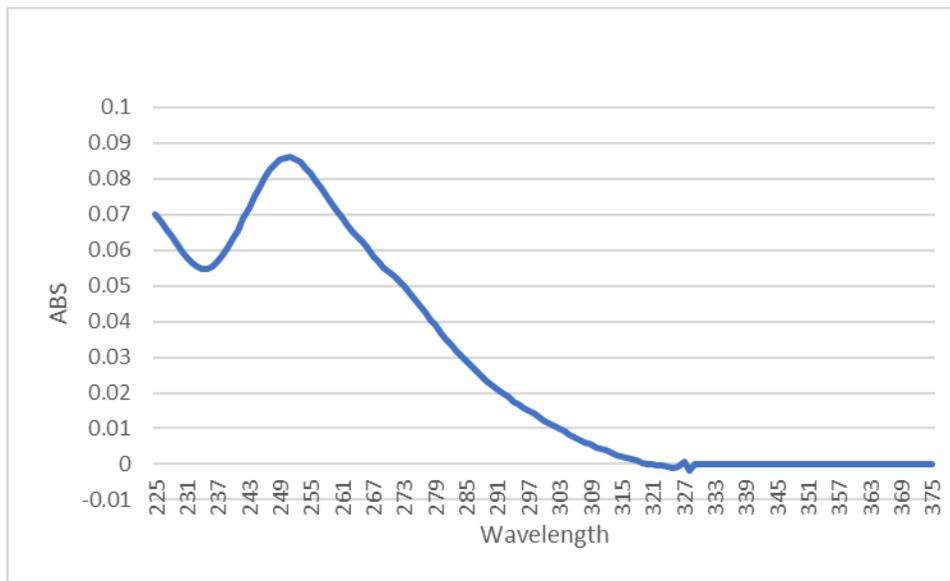
PRODUCT TYPE:	Photo Acid Generator
CHEMICAL NAME:	[4-[(2-Hydroxytetradecyl)oxy]phenyl]-phenyliodonium hexafluoroantimonate
CAS NUMBER	139301-16-9
TRADE NAMES:	LEDCUR 5225
APPLICATIONS:	Pressure Sensitive Adhesives, deep UV lithography,
KEY FEATURES:	Photo-acid generation for curing of epoxy and vinyl monomers. Also generates a free radical
PACKAGING:	sold as a solid or in reactive diluents
REGISTRATIONS:	TSCA (USA-CBI)
SHELF LIFE/STORAGE:	1 year when stored indoors at 25 (+/- 5) deg C

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## Typical specifications

APPEARANCE: Off White Powder  
MELTING POINT: 90-110 C (DSC peak temp)

## Absorption Spectrum



## Suggested starting formulation

LEDCUR 5225 should be added between 1-3% for use with broad spectra mercury lamps. For LED applications, equal amounts of sensitizer (i.e. ITX or 9,10 DEA) should be used to help facilitate surface cure.

## Safety and Handling

LEDCUR 5225 should be handled in accordance with good industrial practice. Detailed information is provided in the SDS.

LEDCUR 5225 is sensitive to visible light and any exposure to sunlight should be avoided.