Bis (4-t-butylphenyl) Iodonium Hexafluoroantimonate
FP 5034

General
Bis (4-t-butylphenyl) Iodonium Hexafluorophosphate is a highly efficient UV
curing agent used to initiate the photopolymerization of prepolymer
in combination with mono or multifunctional monomers.

Bis (4-t-butylphenyl) Iodonium Hexafluorophosphate’s unique synthesis method
provides unmatched solubility, cure speed and color resolution, making it ideal
for printing and coating applications.

Chemical structure

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Product information
CHEMICAL TYPE: Photo Acid Generator
CHEMICAL NAME: Bis (4-tert-butylphenyl) iodonium hexafluoroantimonate
TRADE NAMES: t-butyl iodonium Pb6
CAS NUMBER: 61358-23-4
HRI CODE: FP5034
APPLICATIONS: Photoacid Generator
SHELF LIFE: 1 year when stored indoors at 25 (+/- 5) deg C
Typical Properties

**APPEARANCE:** White Powder  
**INFRARED SPECTRUM:** Matches Standard  
**PURITY:** 97% Minimum  
**MELTING POINT:** 170˚C Minimum (Clear Melt)  
**SOLUBILITY:** Complete

Absorption Spectrum

![Absorption Spectrum Graph](image)

**Packaging:** 5kg, 20kg

**Suggested starting formulation**

Bis (4-tert-butylphenyl) iodonium hexafluoroantimonate 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**

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

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