

Photoinitiator for Cationic UV coatings

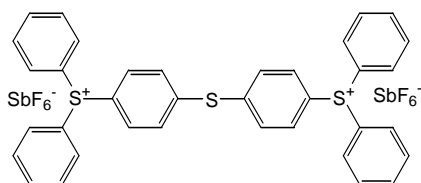
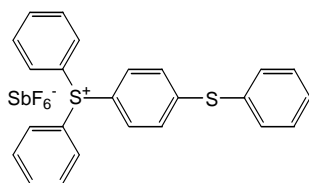
PHOTOINITIATOR

1. General

Chivacure[®] 1176 is a cationic photoinitiator based on sulphonium chemistry which is used to induce the polymerization of epoxides and other cationically polymerizable materials on exposure to UV light. It is compatible with most UV cationic UV systems and is ideal for thin and clear coatings on metal, plastic, and paper substrates.

2. Properties

Structure :



Chemical name : Diphenyl(4-phenylthio)phenylsulfonium hexafluoroantimonate and (Thiodi-4,1-phenylene)bis(diphenylsulfonium) dihexafluoroantimonate
 CAS No. : 71449-78-0 (monomer) & 89452-37-9 (dimer)
 Solid content : 50% in propylene carbonate

3. Physical Data

Appearance : Yellow liquid
 Odor : Very faint
 Boiling point : 232 °C (499 °F)
 Specific gravity : 1.35–1.45 @20 °C
 Viscosity : 100 cps

4. Specification

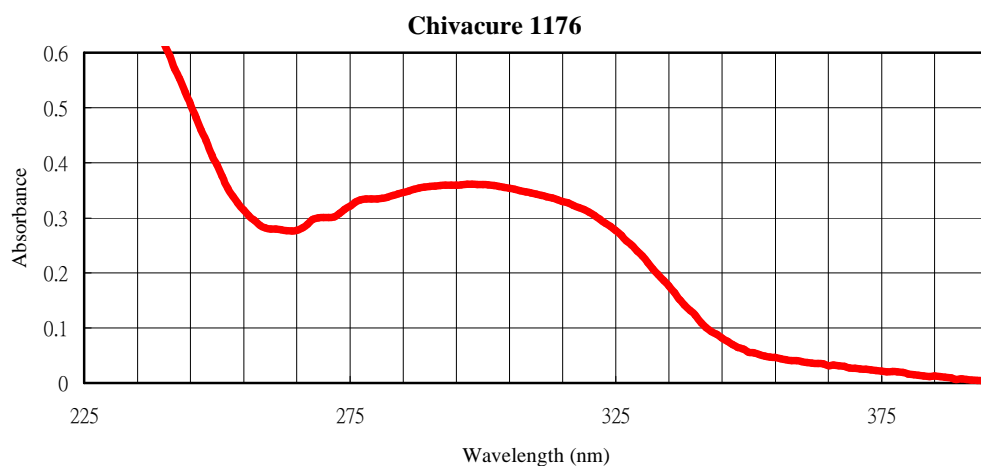
Appearance : Clear yellow to amber liquid
 Specific gravity : 1.35- 1.45
 Color (neat) : 4 (Gardner) max.
 Water : 1% max.
 Viscosity : 100 cps max.

5. Application

Chivacure[®] 1176 can be used for

- Metal coatings
- UV ink
- Photo-resist
- Adhesives

6. UV Spectrum



7. Storage

Must be stored in closed containers in dark dry conditions.

8. Packaging

20 and 200 kg metal drum with a PE lining