PRODUCT DATA SHEET
CHIVACURE® 1176

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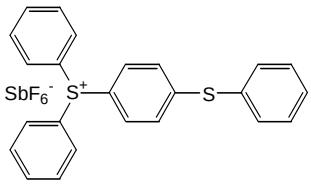
Photoinitiator for Cationic UV coatings **PHOTOINITIATOR**

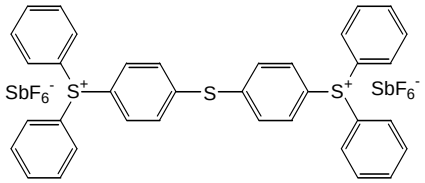
1. General

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 hexafloroatimonate and (Thiodi-4,1-phenylene)bis(diphenylsulfonium) dihexafluoroatimonate
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.

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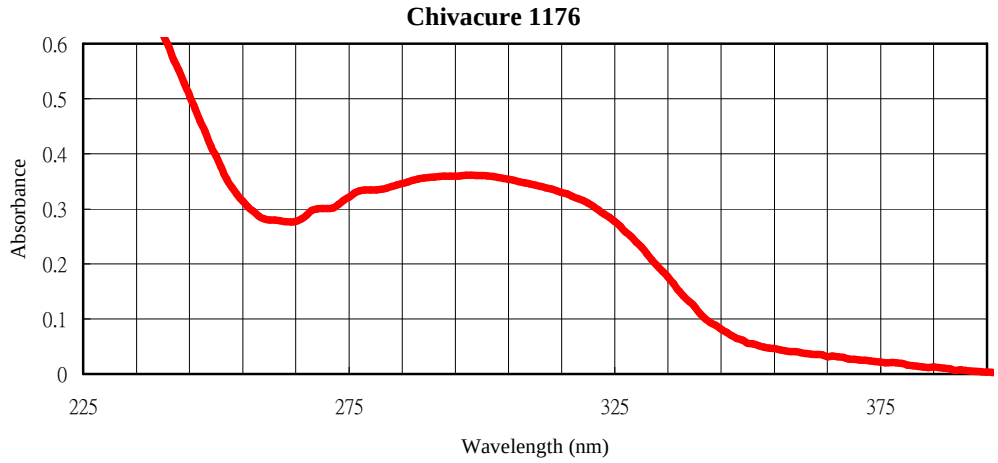
5. Application

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 kg plastic drum and 200 kg metal drum with a PE lining