

Introduction

Chivacure® P-207 (P-207) is a liquid photoinitiator blend with excellent initial color and a balance between surface & depth curing. P-207 absorbs over a broad wavelength range and works perfectly with pigmented systems cured using mercury lamps or LED UV curing systems.

With its optimized proprietary ratio, P-207 is characterized by:

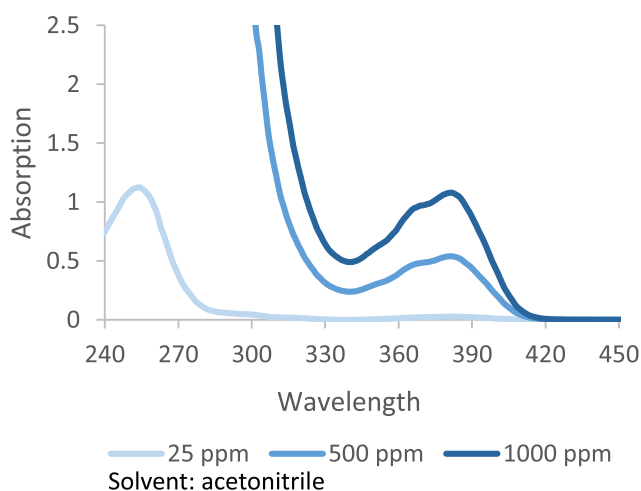
- Low viscosity
- Excellent initial color and non-yellowing
- Excellent surface curing
- Broad absorbance & photoactivity
- Synergistic with photosensitizers, e.g., ITXs.

Application

Chivacure® P-207 is suitable for use in:

- Clear, white, and pigmented ink systems
- Mercury lamp and LED UV curing systems
- Low-viscosity ink systems

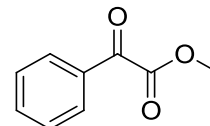
UV Absorption



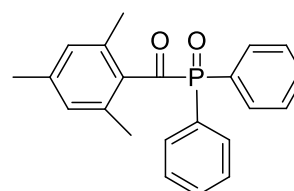
Chemical Information

Structure:

a. CAS No. 15206-55-0



b. CAS No. 75980-60-8



Chemical name

- a. 2-hydroxy-1-[4-[4-(2-hydroxy-2-methylpropanoyl)phenoxy]phenyl]-2-methylpropan-1-one
- b. Ethyl 2,4,6-trimethylbenzoylphenylphosphinate

Physical Data

Appearance	: Yellow to light amber liquid
Odor	: Faint
Assay (HPLC)	: 99.73
Color (Gardner)	: 3.3
Clarity	: Clear

Solubility (g in 100 ml solvent/ monomer @ 25°C)

Acetone	: > 100
Butyl acetate	: > 100
Dichloromethane	: > 100
MEK	: > 100
Styrene	: > 100
TMPTA	: > 100
Water	: < 0.1