

SpeedCure TPO-L

Feb-2022 v.9

Technical Data Sheet

General Information

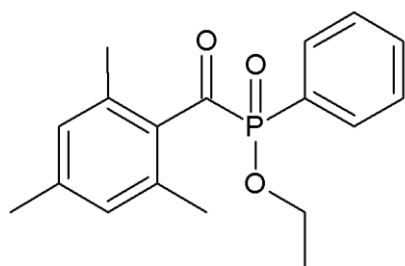
SpeedCure TPO-L is a liquid Norrish Type I photoinitiator from the phosphine oxide family, with absorption maxima at 274, 290 and 370 nm. SpeedCure TPO-L provides high reactivity and depth cure when used at 0.5-5 wt% in UV and LED curable formulations.

Chemical Name

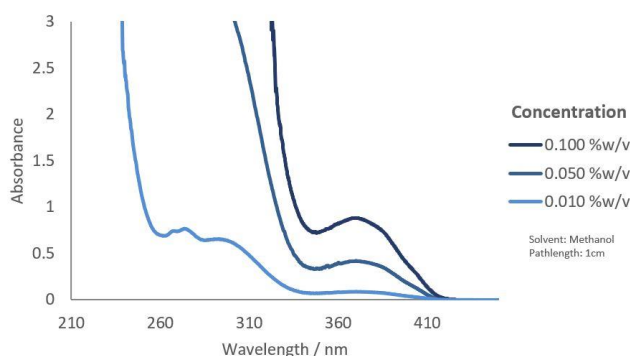
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate

CAS Number	EC Number	Mol. Wt.
84434-11-7	282-810-6	316.3

Structure



UV Spectrum



Specification (LAM 331)

Appearance :	Yellow liquid
Purity (GC) :	≥ 94.5 %area
Loss on Drying (60°C, 3 hours, 50-100mbar) :	≤ 1.0 %w/w
Acid Value :	≤ 1.0 mgKOH/g

Applications

- LED curing
- Electronics
- 3D printing
- Adhesives
- Composites
- Clear coatings
- Pigmented systems
- White pigmented systems
- Black pigmented systems
- Water based systems

Storage and Handling

Stable for at least 2 year(s) at 20°C in a sealed container in the dark. A Safety Data Sheet is available on request.

Transport Classification

(EUROPE AND USA) HAZARDOUS
Class 9 Packing Group III UN 3082

Global Inventories

REACH, EINECS, TSCA, DSL, AICS, NZIoC, IECSC, ISHL, ECL, TSCI

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