

SpeedCure TPO

Feb-2022 v.11

Technical Data Sheet

General Information

SpeedCure TPO is a Norrish Type I photoinitiator from the phosphine oxide family, with absorption maxima at 267, 298 and 380 nm. SpeedCure TPO provides high reactivity and depth cure when used at 0.5-5 wt% in UV and LED curable formulations.

Chemical Name

2,4,6-trimethylbenzoyldiphenylphosphine oxide

CAS Number

75980-60-8

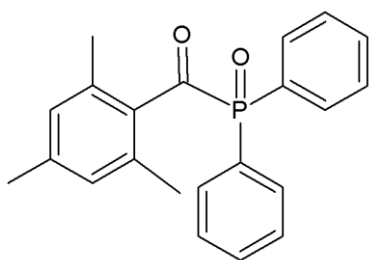
EC Number

278-355-8

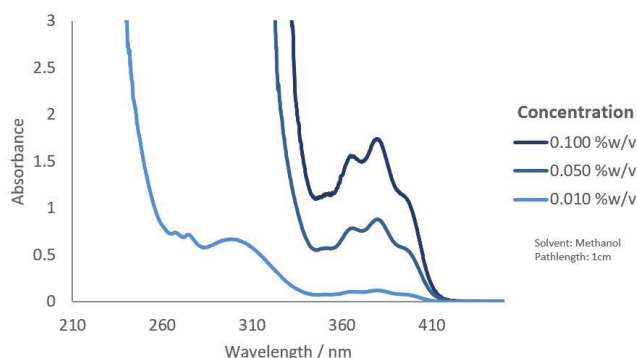
Mol. Wt.

348.4

Structure



UV Spectrum



Specification (LAM 194)

Appearance :

Pale yellow solid

Purity (HPLC) :

≥ 97.0 %area

Melting Range :

90.0 - 95.0 °C

Acid Value :

≤ 4.0 mgKOH/g

Applications

- LED curing
- Composites
- 3D printing
- Adhesives
- Clear coatings
- Pigmented systems
- Electronics
- White pigmented systems
- Black pigmented 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 3077

Global Inventories

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

Disclaimer: Please consult Arkema's disclaimer regarding the use of our products on <https://www.arkema.com/en/products/product-safety/disclaimer/>