

SpeedCure PDO

Feb-2022 v.10

Technical Data Sheet

General Information

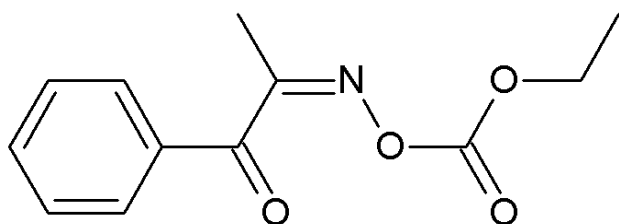
SpeedCure PDO is a Norrish Type I photoinitiator from the oxime ester family, with absorption maximum at 259 nm. SpeedCure PDO provides high reactivity, low yellowing and low volatiles when used at 0.5-5 wt% in UV formulations for electronics applications.

Chemical Name

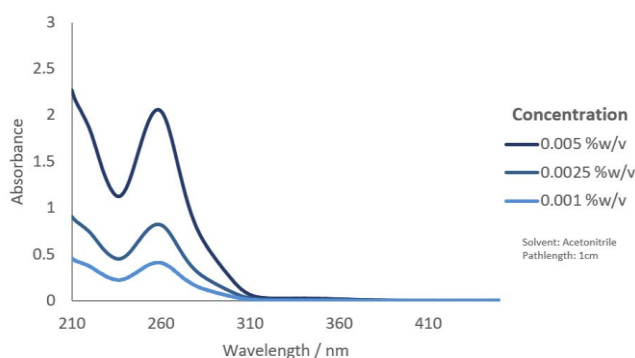
1-phenyl-1,2-propanedione-2-(O-ethoxycarbonyl) oxime

CAS Number	EC Number	Mol. Wt.
65894-76-0	265-967-5	235.3

Structure



UV Spectrum



Specification (LAM 193)

Appearance :	White to pale cream powder
Purity (NMR) :	≥ 96.0 %
Melting Range :	58.0 - 61.0 °C
Water Content (Karl Fischer) :	≤ 0.5 %w/w
Chloride Content (Titration) :	≤ 5.0 ppm
Sulphated Ash :	≤ 0.2 %w/w
Sodium Content (ICP-OES) :	≤ 5.0 ppm
Calcium Content (ICP-OES) :	≤ 1.0 ppm
Potassium Content (ICP-OES) :	≤ 1.0 ppm
Iron Content (ICP-OES) :	≤ 1.0 ppm
Copper Content (ICP-OES) :	≤ 1.0 ppm

Applications

- Electronics
- LED curing
- Pigmented systems
- Adhesives

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.

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

Global Inventories

REACH, EINECS, TSCA, NDSL, AICS, IECSC, ECL, PICCS, TSCI

Transport Classification

(EUROPE AND USA) HAZARDOUS
Class 9 Packing Group III UN 3077