

PowerCure™ TMO Photoinitiator

Introduction

PowerCure™ TMO is a highly effective radical type I photoinitiator for coating formulations that dissolve well with oligomers, reactive diluents, do not contain benzene, and provide rapid UV curing of high-quality coatings, inks and adhesives on a variety of substrates.

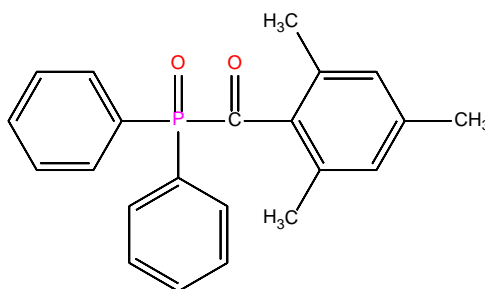
Chemical Name

(2,4,6-Trimethylbenzoyl)- bis(4-methylphenyl)phosphinyloxyde

CAS Number

270586-78-2

Chemical Structure



Chemical Formula

C₂₄H₂₅O₂P

Molecular Weight

376.43

Physical Properties

Appearance	Light yellow crystals
Density (g/cm ³)	1.1
Index of Refraction [°C]	1.590
Boiling Point [°C, 760 mmHg]	538.8
Flash Point [°C]	279.7
Content (%)	Min.98.5

Benefits & Applications

PowerCure™ TMO is a difunctional radical photoinitiator. It has been used as an initiator in the preparation and characterization of molecularly imprinted polymers based on thiourea receptors for nitro compound recognition.

PowerCure™ TMO has superior reactivity, when compared with traditional hydroxy ketone photoinitiators.

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Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

Packing

PowerCure™ TMO is supplied in 20Kg Paper Bag, 20Kg PE Bag, 25Kg Carton Box, 50Kg Fiber Drum.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.