

## PowerCure™ 2100 Photoinitiator

### Introduction

PowerCure™ 2100 is a highly efficient liquid curing agent to initiate radical polymerization of unsaturated resins after exposure to UV light such as those based on a prepolymer – e.g., acrylates and unsaturated polyesters – in combination with mono- or multifunctional monomers as reactive thinners.

### Chemical Name

Blend of PowerCure 819 and PowerCure TPO-L

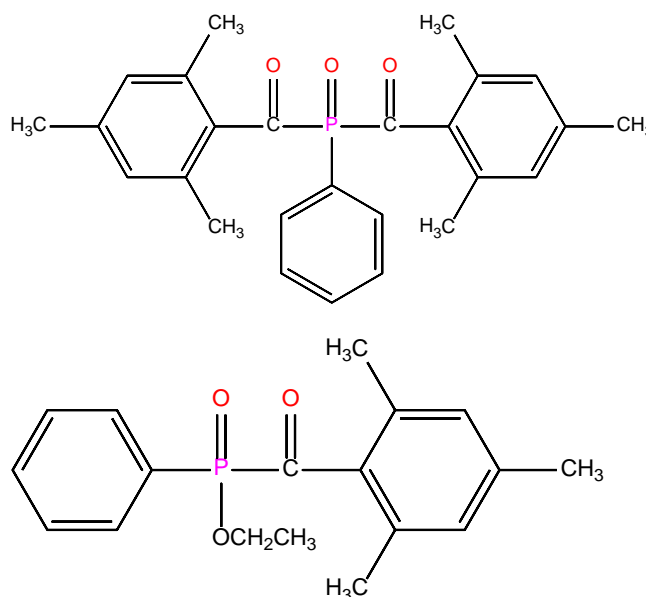
### CAS Number

162881-26-7 + 84434-11-7

### EINECS Number

423-340-5 + 282-810-6

### Chemical Structure



### Molecular Weight

418.46, 316.3

## PowerCure™ 2100 Photoinitiator

### Physical Properties

Appearance	Yellow liquid
Density [20°C, g/cm <sup>3</sup> ]	1.10
Transmittance (500 nm, 10g/100ml Toluene, %)	Min.95.0
Transmittance (500 nm, 1.000 g/l in acetonitrile , %)	Min.95.0
Absorbance (340 nm, %)	0.62-0.90

### Benefits & Applications

PowerCure™ 2100 may be used in applications such UV-curable formulations for clear and for pigmented coatings on wood, metal, plastic, paper and optical fibers as well as for printing inks, composites and adhesives.

PowerCure™ 2100 is suitable for white pigmented formulations, wood fillers and UV-stabilized, UV curable varnishes.

PowerCure™ 2100 is especially suitable for white pigmented formulations with minimal yellowing after curing and for coatings with low pigment volume concentration.

As a liquid photoinitiator, PowerCure™2100 is especially easy to incorporate into formulations.

PowerCure™ 2100 can be used alone but in most cases combinations with other photoinitiators, e.g.,  $\alpha$ - hydroxy ketones or phenyl glyoxylates, give improved balance between through- and surface-curing performance.

### 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 two years 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.



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

### **Packing**

PowerCure™ 2100 is supplied in 20Kg plastic pails.

### **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.

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