

PowerCure™ ONE Photoinitiator

Introduction

PowerCure™ ONE is a difunctional alpha-hydroxy ketone photoinitiator with the characteristics of low volatility, low migration, low toxicity and low yellowing. It is suitable for all kinds of materials in direct contact with human body, and also suitable for thin coatings with large impact of oxygen polymerization inhibition.

Chemical Name

A mixture mainly based on:

2-hydroxy-1-(3-[4-(2-hydroxy-2-methylpropanoyl)phenyl]-1,1,3-trimethyl-2,3-dihydro-1H-inden-5-yl)-2-methylpropan-1-one and
2-hydroxy-1-(1-[4-(2-hydroxy-2-methylpropanoyl)phenyl]-1,3,3-trimethyl-2,3-dihydro-1H-inden-5-yl)-2-methylpropan-1-one

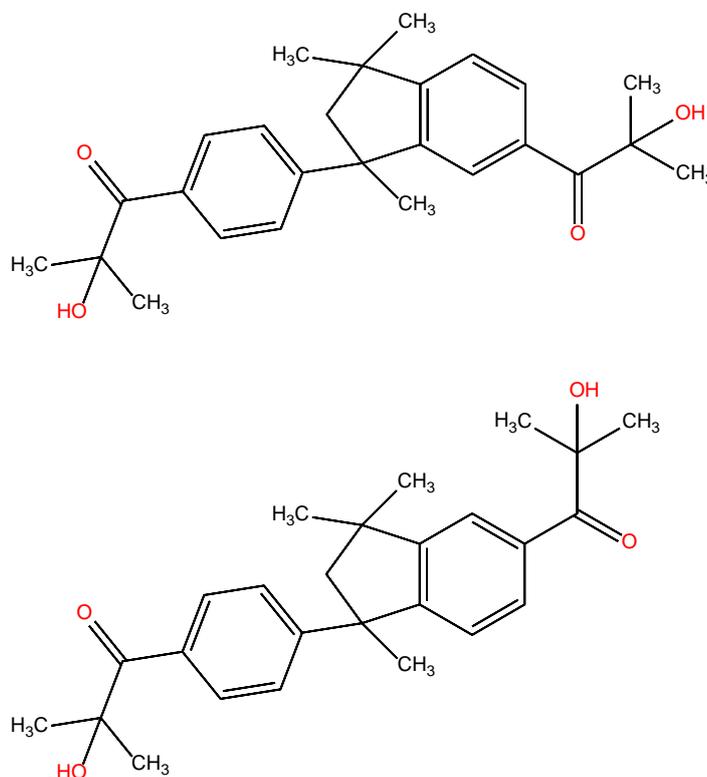
CAS Number

163702-01-0

EINECS Number

402-990-3

Chemical Structure



PowerCure™ ONE Photoinitiator

Chemical Formula C₂₆H₃₂O₄

Molecular Weight 408

Physical Properties

Appearance	White free flowing powder
Purity (HPLC, %)	Min.95.00
Loss on Drying (%)	0.30

Benefits & Applications

PowerCure™ ONE is suitable for all kinds of materials in direct contact with human body, and also suitable for thin coatings with large impact of oxygen polymerization inhibition.

PowerCure™ ONE can be applied to various materials in direct contact with human body, such as coating and food packaging ink.

The recommended dosage of PowerCure™ ONE is 2~5% in total.

Before use, please preheat PowerCure™ ONE to 80~100°C to reduce viscosity.

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™ ONE is supplied in 25Kg pail, 50Kg drum.

Note

All information in the leaflet is based on our present knowledge and



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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.

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