

PowerCure™ 160 Photoinitiator

Introduction

PowerCure™ 160 is a bifunctional free radical photoinitiator with high reactivity, 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 for thin coatings with large impact of oxygen polymerization inhibition.

Chemical Name

2-Hydroxy-1-[4-[4-(2-hydroxy-2-methylpropionyl)phenoxy]phenyl]-2-methyl propanone

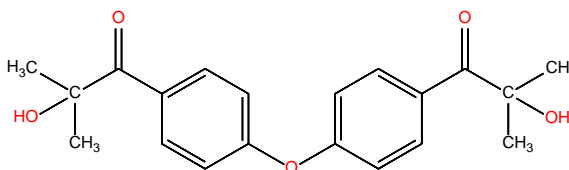
CAS Number

71868-15-0

EINECS Number

472-110-0

Chemical Structure



Chemical Formula

C₂₀H₂₂O₅

Molecular Weight

342.39

Physical Properties

Appearance	Off-white powder
Water Content (%)	Max.0.50
Purity (HPLC, %)	Min.98.00

Benefits & Applications

PowerCure™ 160 can be applied to various materials in direct contact with human body, such as coating and food packaging ink.

When PowerCure™ 160 used in conjunction with active amine assistant, and the deep curing can be significantly improved, it shows better curing performance.

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The recommended dosage of PowerCure™ 160 is 3~5%.

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™ 160 is supplied in 20Kg 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.

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We disclaim liability for any incidental or consequential damages.