

PowerCure™ 127 Photoinitiator

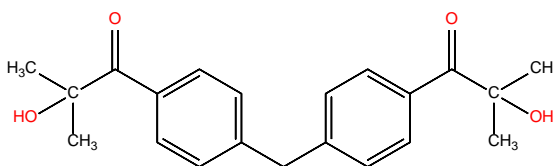
Introduction PowerCure™ 127 is a new type of highly efficient, non-yellowing UV photoinitiator used to initiate UV polymerization of unsaturated prepolymerization systems.

Chemical Name 2-hydroxy-1-(4-(4-(2-hydroxy-2-methylpropionyl)benzyl)phenyl)-2-methylpropan-1-one

CAS Number 474510-57-1

EINECS Number 444-860-9

Chemical Structure



Chemical Formula C₂₁H₂₄O₄

Molecular Weight 340.413

Physical Properties

Appearance	White or light yellow powder
Purity (%)	Min.98.0
White	Min.75
Volatile (%)	Max.6.0

Benefits & Applications

PowerCure™ 127 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™ 127 has superior reactivity, when compared with traditional hydroxy ketone photoinitiators.

PowerCure™ 127 is low sensitive to oxygen inhibition.

PowerCure™ 127 Photoinitiator

PowerCure™ 127 has low volatility and low odor after curing.

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™ 127 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.