

PowerCure™ 150 Photoinitiator

Introduction

PowerCure™ 150 is an oligomeric alpha hydroxy ketone photoinitiator with low volatility, low migration, low toxicity, low yellowing and high photoinitiation efficiency. It is insoluble in water, soluble in most common organic solvents, monomers and oligomers for UV applications.

Chemical Name

Oligo [2-hydroxy-2-methyl-1[4-(1-methylvinyl)phenyl]propanone]

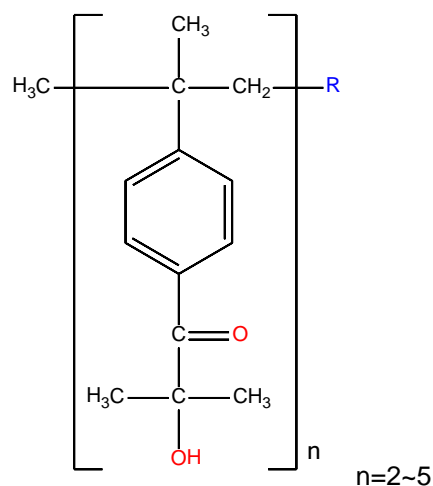
CAS Number

163702-01-0

EINECS Number

402-990-3

Chemical Structure



Chemical Formula

N.A.

Molecular Weight

Approx. 800

Physical Properties

Appearance	Yellow viscous liquid to solid
Purity (%)	Min.90
UV Absorption peak [λ_{max} , nm]	204, 230, 259
Water content (%)	Max.0.5

Benefits & Applications

PowerCure™ 150 can be widely used in varnishes, coatings, inks, printing plates and adhesives, etc.

PowerCure™ 150 Photoinitiator

PowerCure™ 150 can also be used in UV water-borne systems.

Optimum concentration is between 0.5% and 5% by weight and depends on system composition, thickness, and desired cure speed.

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.

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

Packing

PowerCure™ 150 is supplied in a 20Kg, 50Kg or 200Kg 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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