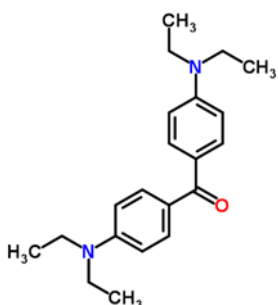


## Product Data Sheet

### General Information

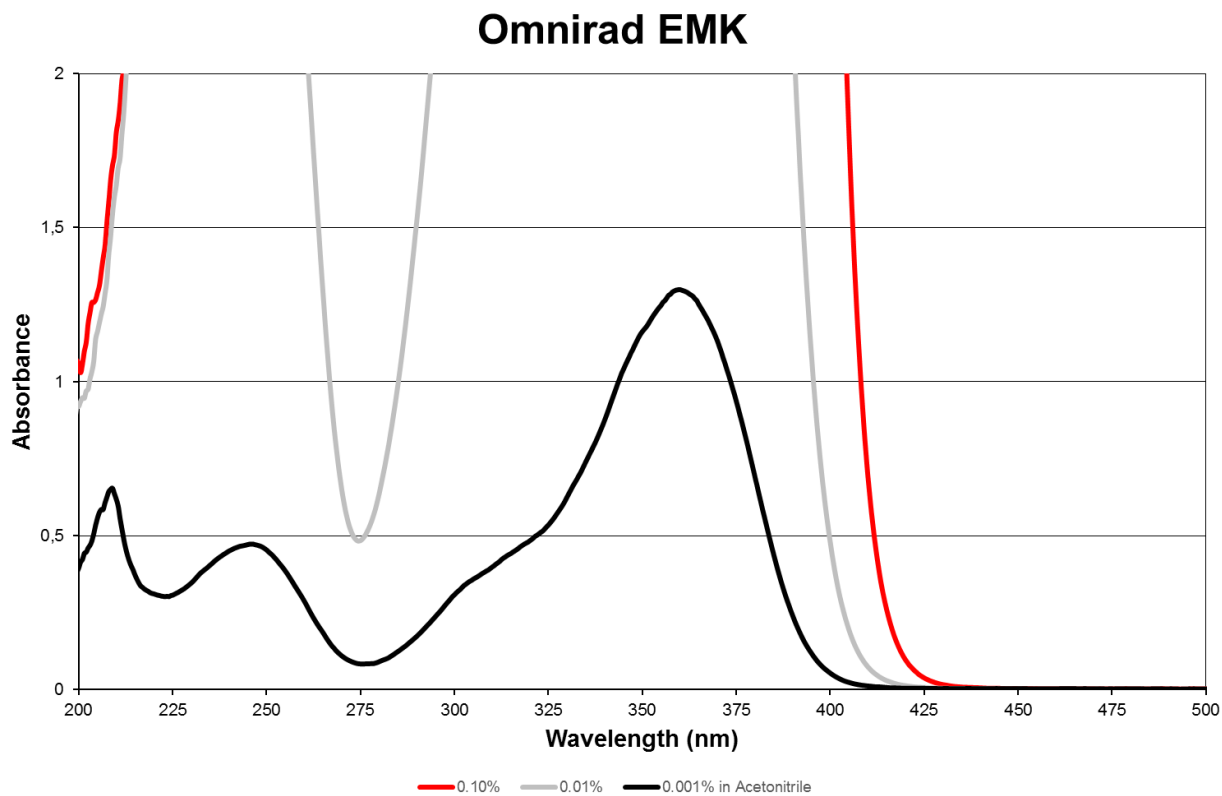
Omnirad EMK is a bimolecular photoinitiator, suitable for UV-polymerisation of mono- or multifunctional (meth)acrylates.

### Chemical Data



**Chemical Name:** 4,4' Bis(diethylamino) benzophenone  
**Molecular weight:** 342.5 g/mol  
**CAS No:** 90-93-7

### Absorption Spectrum



## Specification

<b>Appearance</b>	<b>Visual</b>	<b>Pale yellow powder</b>
<b>Purity</b>	<b>HPLC analysis</b>	<b>≥ 99.0 %</b>
<b>Melting range</b>	<b>Melting Point apparatus</b>	<b>93 - 96 °C</b>
<b>Clarity of solution</b>	<b>Visual, 10g/100ml Ethanol</b>	<b>Clear</b>

## Application

Omnirad EMK may be used, after adequate testing, in UV curable coating and ink formulations based on acrylates, for substrates such as paper, wood, metal and plastics. As Omnirad EMK has the tendency to yellow it is mostly used in pigmented systems.

Formulated product properties will depend on the actual reactive monomers, oligomers and additives utilized.

## Recommended Addition levels

Omnirad EMK is recommended to be used from 0.1 – 3%. Quantity required will vary depending on application and curing conditions.

## Storage & Handling

Storage must be in a cool, shaded, well ventilated and dry area away from direct sources of heat and sunlight.

Avoid contact with alkaline additives and water. Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 24 months.

Omnirad EMK should be handled in accordance with good industrial practice. Further information is provided in the material safety data sheet which is available on request.

## Regulatory Status

All information can be found on MSDS (Material safety data sheet) and RIS (Regulatory Information Sheet) available upon request.

## Packaging

Omnirad EMK is available in 20 kg cartons.

### Disclaimer:

The information presented in this data sheet is given in good faith and is based on the material available to us at the time of writing. The information is not to be taken as a warranty or representation for which we assume legal responsibility, nor as permission or recommendation to practice any patented invention without a license. It is offered solely for consideration, investigation and verification.

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