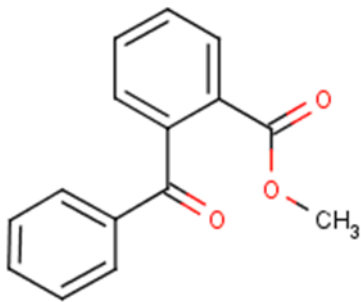


### Product Data Sheet

#### General Information

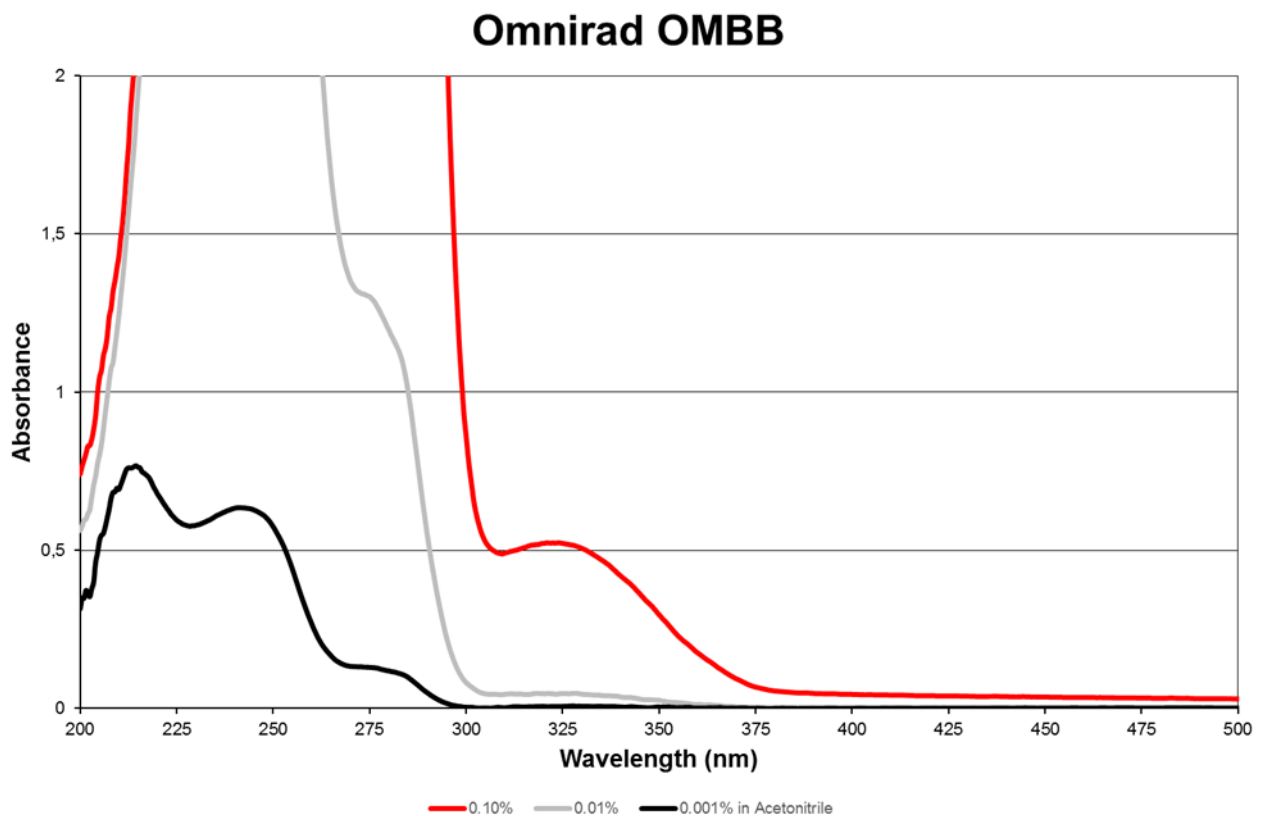
Omnirad OMBB is a near odourless Type II photoinitiator which, when used with tertiary amine synergists, initiates radical polymerization of unsaturated oligomers e.g. acrylates after exposure to UV light.

#### Chemical Data



**Chemical Name:** Methyl-o-benzoylbenzoate  
**Molecular weight:** 240.3 g/mol  
**CAS No:** 606-28-0

#### Absorption Spectrum



## Specification

<b>Appearance</b>	<b>Visual</b>	<b>White to off white crystalline powder</b>
<b>Purity</b>	<b>GC analysis</b>	<b>≥ 99.0 %</b>
<b>Volatiles</b>	<b>Loss on Drying</b>	<b>≤ 0.5 %</b>
<b>Melting range</b>	<b>Melting Point apparatus</b>	<b>48.5 - 53.5 °C</b>
<b>Ash Content</b>	<b>Residual on ignition</b>	<b>≤ 0.1 %</b>
<b>Transmittance @ 425 nm</b>	<b>Spectrophotometer, 10g/100ml Toluene/Methanol (2:1)</b>	<b>≥ 96.0 %</b>
<b>Transmittance @ 500 nm</b>	<b>Spectrophotometer, 10g/100ml Toluene/Methanol (2:1)</b>	<b>≥ 98.0 %</b>
<b>Clarity of solution</b>	<b>Visual, 10g/100ml Toluene/Methanol (2:1)</b>	<b>Clear</b>

## Application

Omnirad OMBB 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.

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

## Features & Benefits

Omnirad OMBB absorbs at short wavelengths and is therefore ideal to promote rapid surface cure. It is particularly recommended when UV cured formulations are required to have a low associated odour. This makes the product particularly suitable for use with fragrances and food packaging inks.

## Recommended Addition levels

An addition level of 0.5 - 5% by weight of formulation is recommended for technical applications.

## 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 OMBB 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 OMBB is available in 20 kg carton drums.

### 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.

**EUROPE**  
**IGM Resins B.V. (Head office)**  
T : +31 416 316 657  
[sales@igmresins.com](mailto:sales@igmresins.com)

**NORTH AMERICA**  
**IGM Resins USA Inc.**  
T : +1 630 2131616  
[sales@igmresins.com](mailto:sales@igmresins.com)

**ASIA-PACIFIC**  
**IGM Resins Shanghai Co., Ltd.**  
T : +86 21 5208 0993

**IGM Resins Taiwan Ltd.**  
T : +886 342 75275

**IGM Japan GK**  
T : +81 3 5219 1502  
[sales@igmresins.com](mailto:sales@igmresins.com)

**SOUTH AMERICA**  
**Quiminutri Comercio de  
Especialidades Quimicas S.A.**  
T : +55 19 3856 4480  
[comercial@igmresins.com.br](mailto:comercial@igmresins.com.br)