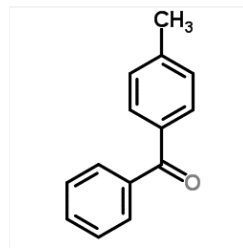
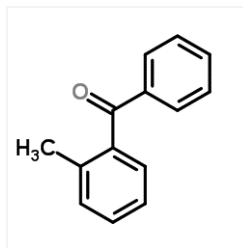
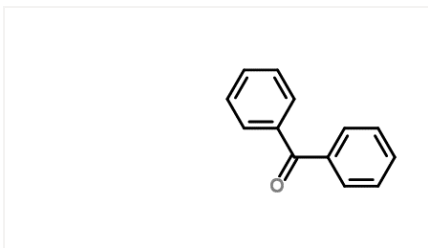


Product Data Sheet

General Information

Omnirad BEM is a highly effective, liquid Type II photoinitiator blend used to initiate radical polymerization of unsaturated oligomers e.g. acrylates after exposure to UV light.

Chemical Data



Chemical Name:
CAS No:

Blend of Benzophenone derivatives
119-61-9 + 131-58-8 + 134-84-9

Specification

Appearance
Volatiles
Viscosity

Visual
Loss on Drying
Brookfield at 20 °C

Colourless to pale yellow liquid
≤ 0.5 %
20 - 25 mPa.s

Additional Typical Properties

Omnirad BEM is insoluble in water but soluble in most UV monomers, oligomers and organic solvents.

Application

Omnirad BEM is recommended for enhancing the surface cure. It is essential that an amine synergist like e.g. Omnirad EDB or Omnirad EHA is used in conjunction with Omnirad BEM to achieve the best result.

Omnirad BEM may be used, after adequate testing, in UV curable adhesive, coating and ink formulations based on acrylates, for substrates such as paper, wood, metal, plastics and glass.

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

Features & Benefits

Omnirad BEM is an efficient liquid photoinitiator for various applications using UV radcure technology. Its performance can be significantly improved when used in conjunction with amine synergists.

Recommended Addition levels

An addition level of 2-8% by weight of total 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 12 months.

Omnirad BEM 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 BEM is available in 200 kg drums and 1000 kg IBCs.

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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