

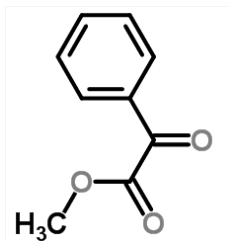
Product Data Sheet

General Information

Omnirad MBF is a highly efficient, liquid, Type II photoinitiator used to initiate radical polymerization of unsaturated oligomers e.g. acrylates, after exposure to UV light. It forms free radicals through an intramolecular hydrogen abstraction process. The use of amines is not recommended as this may lead to efficiency decrease, stability upon storage issues or stronger odour.

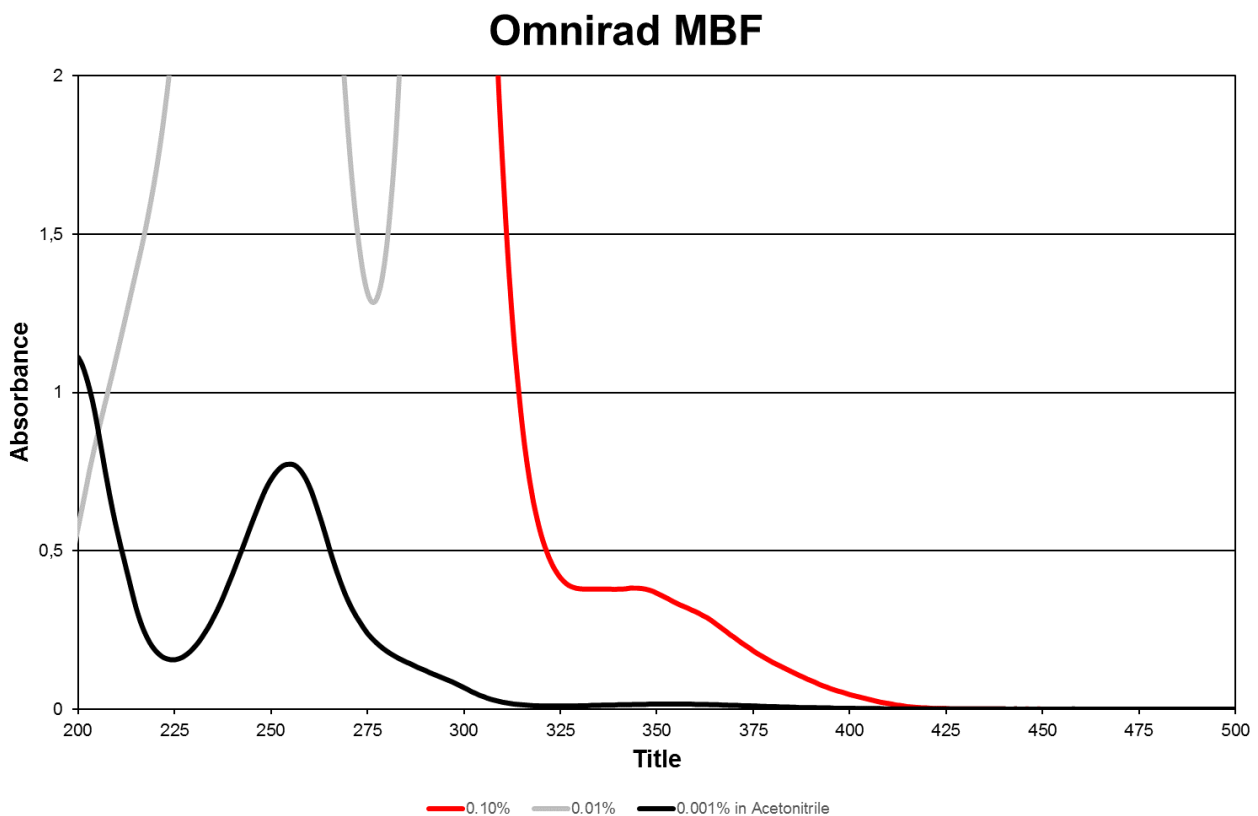
It can be used in combination with mono or multi functional monomers as reactive diluents.

Chemical Data



Chemical Name: Methylbenzoylformate
Molecular weight: 164.2 g/mol
CAS No: 15206-55-0

Absorption Spectrum



Specification

Appearance	Visual	Pale yellow liquid
Purity	HPLC analysis	≥ 99.0 %
Specific Gravity @ 25 °C	Weight method	1.150 - 1.170 g/cm³
Boiling Point		246 - 250 °C

Application

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

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

Features & Benefits

Omnirad MBF is recommended for use when excellent surface curing properties e.g. stain resistance are required. In addition, Omnirad MBF is particularly suited to use when coatings are required to exhibit low yellowing after curing and with age.

Recommended Addition levels

An addition level of 0.5 - 5% 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 24 months.

Omnirad MBF 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 MBF is available in 25 kg , 100 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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