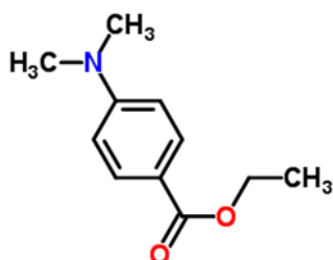


Product Data Sheet

General Information

Omnirad EDB is a highly efficient tertiary amine synergist which, when used in conjunction with Type II photoinitiators generates free radicals that initiate radical polymerization of unsaturated oligomers e.g. acrylates after exposure to UV light. It can be used in combination with mono or multi functional monomers as reactive diluents.

Chemical Data



Chemical Name: Ethyl-4-(dimethyl amino) benzoate
Molecular weight: 193.2 g/mol
CAS No: 10287-53-3

Specification

Appearance	Visual	White to off white crystalline powder
Purity	GC analysis	≥ 99.0 %
Volatiles	Loss on Drying	≤ 0.5 %
Melting range	Melting Point apparatus	62 - 68 °C
Ash Content	Residual on ignition	≤ 0.1 %
Clarity of solution	Visual	Clear

Additional Typical Properties

Absorption 228, 308 nm

Application

Omnirad EDB may be used in conjunction with Type II Photoinitiators, 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 EDB has good solubility in most common solvents and UV curable monomers. When used in conjunction with Type II photoinitiators it produces free radicals by a hydrogen abstraction mechanism.

Recommended Addition levels

An addition level of 0.2- 3% 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. Optimal storage temperature is between 5°C and 25°C

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 EDB 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 EDB is available in 20 kg cartons and 25 kg 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.

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