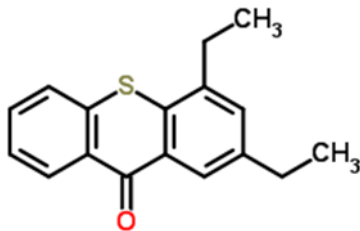


Product Data Sheet

General Information

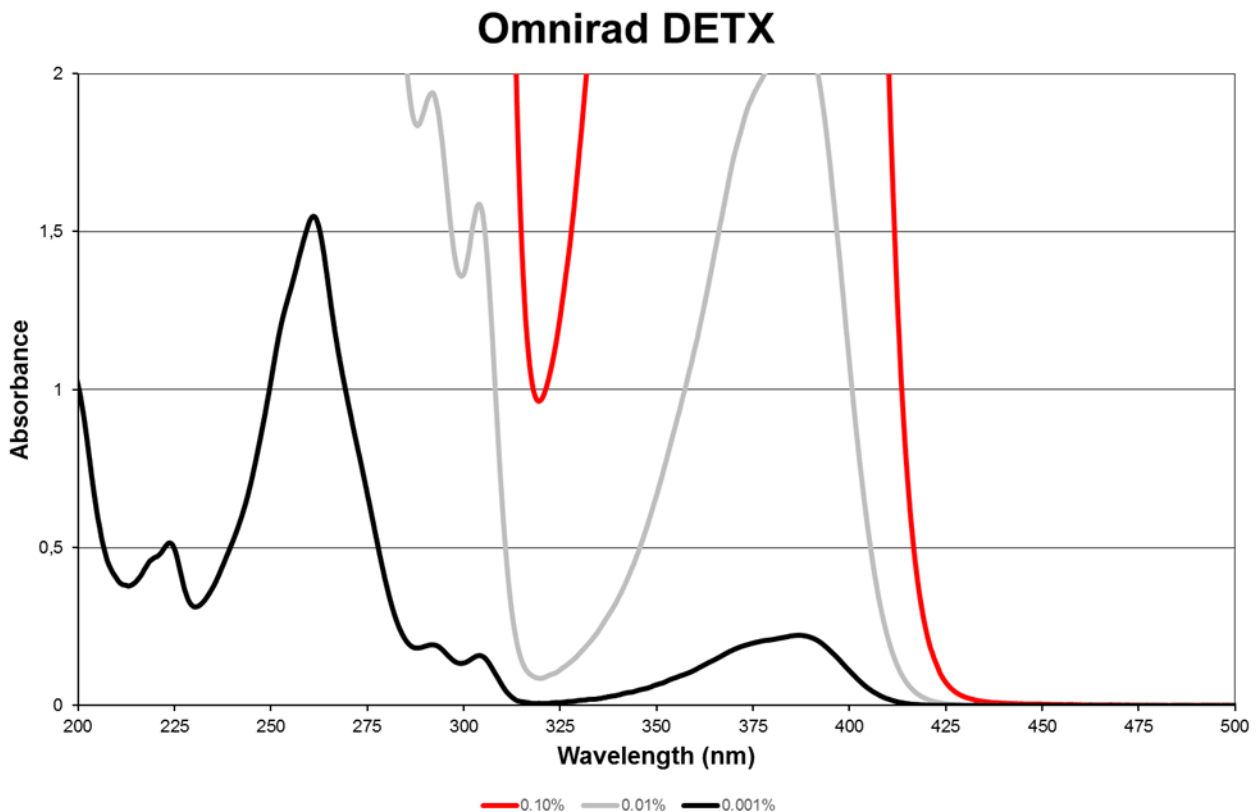
Omnirad DETX is a highly effective Type II photoinitiator. In conjunction with tertiary amine synergists it is used to initiate radical polymerization of unsaturated oligomers e.g. acrylates, after exposure to UV light. It can be used in combination with mono or multi functional monomers as reactive diluents.

Chemical Data



Chemical Name: 2,4-Diethyl-9H-thioxanthene-9-one
Molecular weight: 268.37 g/mol
CAS No: 82799-44-8

Absorption Spectrum



Specification

Appearance	Visual	Light yellow to slightly red powder
Purity	HPLC analysis	≥ 99.0 %
Volatiles	Loss on Drying	≤ 0.2 %
Melting range	Melting Point apparatus	71 - 74 °C
Ash Content	Residual on ignition	≤ 0.1 %
Clarity of solution	Visual	Clear

Application

Omnirad DETX may be used, after adequate testing, in UV curable 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.

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 DETX 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 DETX 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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