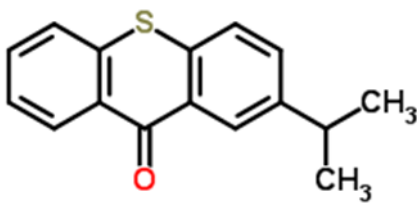


Product Data Sheet

General Information

Omnirad ITX is a highly effective type II photoinitiator used, in combination with tertiary amine synergists 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.

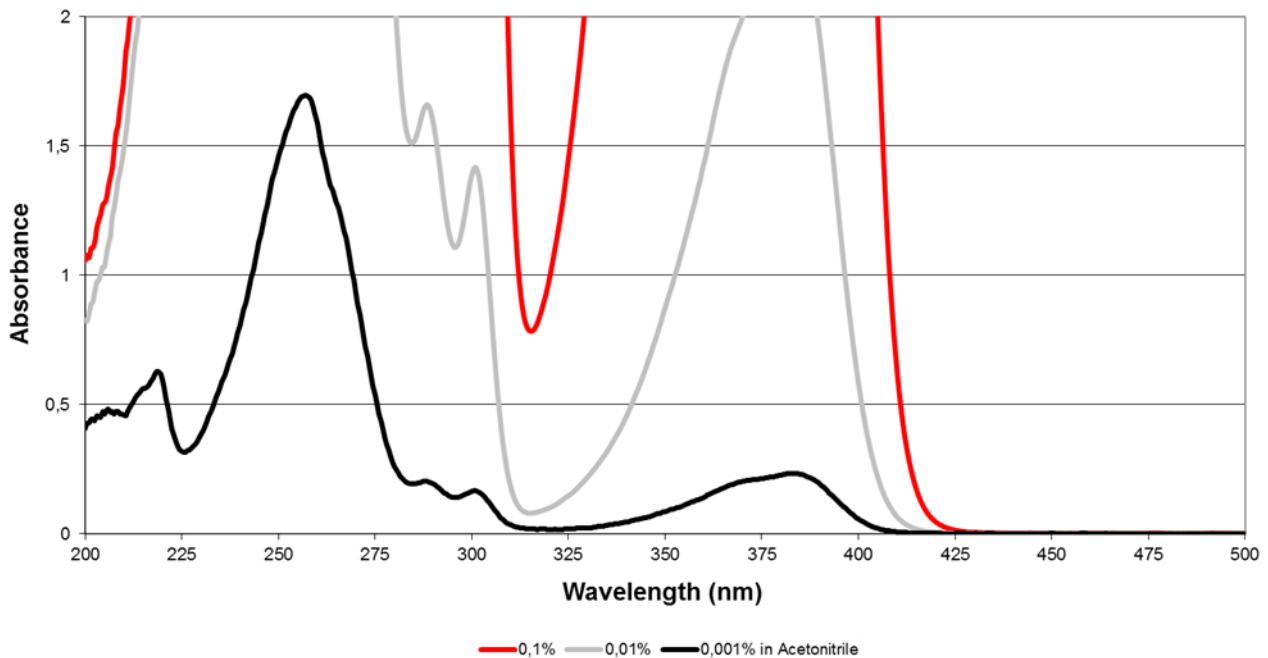
Chemical Data



Chemical Name: 2-Isopropyl thioxanthone
Molecular weight: 254.3 g/mol
CAS No: 5495-84-1

Absorption Spectrum

Omnirad ITX



Specification

Appearance	Visual	Pale yellow powder
Purity	GC analysis	≥ 99.0 %
Volatiles	Loss on Drying	≤ 0.2 %
Melting range	Melting Point apparatus	70 - 76 °C

Application

Omnirad ITX may be used, after adequate testing, in UV curable coating, adhesive, ink and photo resist 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 ITX is an efficient type II photoinitiator, usually used in conjunction with amine synergists such as Omnirad EHA and Omnirad EDB. It can also be used with cationic photoinitiators, e.g. Omnicat 440 and Omnicat 445. Such combinations can lead to an increase in depth of curing and hardness of the coating film, in particular for thick, TiO₂ pigmented, epoxy acrylate formulations.

Recommended Addition Levels

Addition levels of 0.25 - 2.0% of Omnirad ITX are recommended for technical applications. Recommended addition levels of amine synergists and cationic photoinitiators when used in combination with Omnirad ITX are as follows:

Omnirad EHA	2.0 - 5.0%
Omnirad EDB	2.0 - 5.0%
Omnicat 440	0.25 - 2.0%

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 ITX 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 ITX is available in 20 kg cartons or 100 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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