

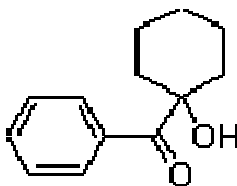


Photoinitiator 184

Photoinitiator 184 is a high-efficient non-yellowing crystalline photoinitiator, which is one of the most used photoinitiator of initiating the photopolymerisation of various UV curing oligomers. It is often used with other photoinitiators and synergists in formulation, ie, it is formulated with our photoinitor 819 to get balanced surface and through curing of pigmented system.

[Chemical name]: 1-Hydroxy-Cyclohexyl-Phenyl-Ketone

[Structural formula]:



[CAS number]: 947-19-3

[Molecular weight]: 204.26

[Specification]

Item	Specification
Appearance	White crystalline powder
Assay%, \geq	99.0
Melting Point. °C	44-48
Volatiles :	0.2%
Ash Content: \leq	0.1%
Absorption (nm)	244, 280, 330

[Applications]

Photoinitiator 184 is widely used in UV curable clear coatings based on acrylates for paper, wood, metal and plastic materials. It is especially recommended for applications that require minimal yellowing even after prolonged exposure to sunlight. HALS 292 can be added as an effective light stabilizer.

Its high activity makes it especially suitable for UV curable inks. Applications in the graphic arts (e.g. offset and screen inks, printing plates, etc.) and in the electronics industry (e.g. photoresists, solder masks, etc.) may also be of interest.

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