

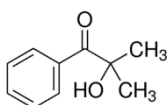
Photoinitiator 1173

Product Description

Photoinitiator 1173 is one of the most widely used non-yellowing photoinitiator which is used to initiate radical polymerisation of unsaturated oligomers - acrylates – after exposure to UV light. The advantages include high initiation efficiency, good thermal stability, good storage stability, etc. It also has excellent compatibility with other photoinitiators, prepolymers, and mono or multifunctional monomers as reactive diluents.

Chemical Data

Structure:



Chemical Name	2-Hydroxy-2-Methyl-1-Phenylpropanone
CAS No.	7473-98-5
EINECS No.	231-272-0
Molecular Formula	C ₁₀ H ₁₂ O ₂
Molecular Weight	164.2

Typical properties

Appearance	Transparent to yellowish liquid
Assay (HPLC)	≥ 98 %
Specific gravity	1.04 - 1.10
Melting point	46 - 50 °C
Ash %	≤ 0.1
Volatiles	0.2 % max.
Transmittance	≥ 98 % min.@ 425nm ≥ 99 % min @ 500nm

Features & Benefits

- Low viscosity
- Good solvency
- Good surface and through-cure
- Good shelf stability

All the information above is based on data obtained at laboratory and is not to be used for certifying the suitability of the product. Users are advised to test the product in their own system before purchase.

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Applications

- Clear coats for metal and plastic
- Wood top-coats
- Overprint varnishes
- Pigmented inks and coatings (*in combination with other photoinitiators*)

Packing & Storage

- 25kg PE Drum
- This material should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures below 30°C. Exposure to light or direct sunlight should be avoided
- Recommended shelf life is 1 year (under proper storage conditions).

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