

Photoinitiator 1173

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CAS No. 7473-98-5

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.

Features & Benefits

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

Applications

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

Physical Data

Density (g/cm ³)	1.04 - 1.10
Form of supply	Transparent to yellowish liquid
Content (%)	≥ 98
Melting point (°C)	46 - 50
Volatile matter	0.2 % max.
Molecular weight (g/mol)	164.2
Chemical Name	2-Hydroxy-2-Methyl-1-Phenylpropanone
EINECS No.	231-272-0
Molecular Formula	C ₁₀ H ₁₂ O ₂
Ash %	≤ 0.1
Transmittance	≥ 98 % min.@ 425nm; ≥ 99 % min @ 500nm

Packaging, Shipping & Storage

Photoinitiator 1173 is supplied as transparent to yellowish liquid. The product is packed in 25 kg PE drum and shipped on pallets of 500 kg. Store indoors in the original, unopened containers in a dry place below 30°C, away from light and direct sunlight. Shelf life: 12 months.

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.