

Photoinitiator 907

Version 2026-10-22b · Revision 2026-10-22

CAS No. 71868-10-5

Product Description

Photoinitiator 907 is a highly efficient photoinitiator which is used to initiate the photopolymerisation of unsaturated prepolymers - acrylates - in combination with mono- or multifunctional vinyl monomers. It is especially suitable for pigmented UV-curable systems for substrates such as paper, metal, and plastic.

Applications

Photoinitiator 907 may be used alone or in combination with co-inhibitors such as Photoinitiator 184, etc. for UV curable inks and varnishes for applications on paper, metal, and plastic materials. Its high absorbance makes it especially suitable for pigmented formulations. Applications in graphic arts include offset inks, screen inks, etc. and in electronics industry like photoresists, solder masks, etc.

Recommended Dosage Levels

Application	Dosage
Offset inks	4 – 6 %
Screen inks	2 – 4 % (plus Photoinitiator ITX 0.2 – 0.5%)
Clear coatings / varnishes	0.1 – 1.0 (plus Photoinitiator 184 2 – 3%)
Photoresists	3.0 – 6.0

Physical Data

Form of supply	White crystalline powder
Content	99 % min
Melting point (°C)	72 - 75
Volatile matter	0.25 % max.
Molecular weight (g/mol)	279.4
Chemical Name	2-Methyl-1-[4-(methylthio)phenyl]-2-morpholino propan-1-one
Molecular Formula	C15-H21-N-O2-S
Ash %	≤0.1
Transmittance	90 % min. @ 425 nm; 95 % min. @ 500 nm

Packaging, Shipping & Storage

Photoinitiator 907 is supplied as white crystalline powder. The product is packed in 20 kg paper carton box and shipped on pallets of 500 kg. Store indoors in the original, unopened containers in a dry place below 30°C / 86°F, away from light or direct sunlight. Shelf life: 3 years.

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.