

PRODUCT DATA SHEET

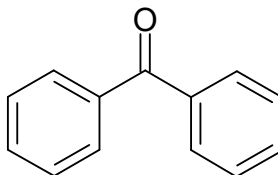
CHEMACURE PI-BP

General

Chemacure PI-BP is a photoinitiator which is used to initiate radical photopolymerisation of unsaturated resins such as those based on a prepolymer - e.g. acrylates - in combination with mono- or multifunctional monomers

Properties

Chemical Structure



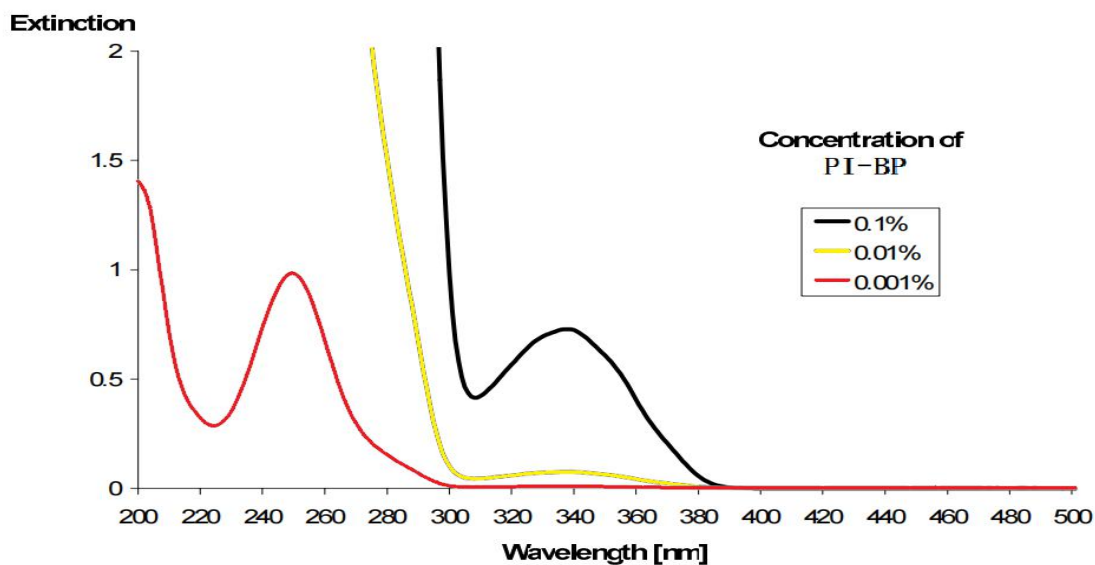
Benzophenone

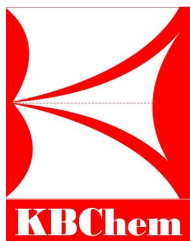
Molecular weight	:	182.2
CAS No.	:	119-61-9

Physical properties

Appearance	:	white flakes
Purity %	:	99.5
Melting Point (°C)	:	45.0-50.0
Absorption (nm)	:	251 - 333

ABSORPTION SPECTRUM





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Applications

- ☐ Overprint Varnish
- ☐ Coatings on Plastics
- ☐ Wood Coatings
- ☐ Adhesives
- ☐ Lithographic Inks
- ☐ Silkscreen Inks
- ☐ Flexo Inks
- ☐ Electronics

Chemacure PI-BP is a photoinitiator for various applications using UV curing technology, e.g. UV coatings and UV printing inks.

The performance of Chemacure PI-BP photoinitiator can significantly be improved when used in combination with amine-synergists (tertiary amine compounds and amine acrylates).

Use of Chemacure PI-BP photoinitiator should be reserved for applications where expectations are moderate with regard to the final cured system's color and odor requirements.

Since the performance of a photoinitiator depends to a great extent on the specific formulation, the optimum price/performance level should be determined by experimental trials.

Storage Conditions

Do not expose to direct sunlight. Store at room temperature and below 50°C. Avoid contact with alkaline additives and water. The product is stable for 2 years, in original, tightly closed containers and stored under the above mentioned conditions.

Packaging

25 kg bags with PE-liner inside

Safety & Handling

Chemacure PI-BP should be handled in accordance with good industrial practice. Detailed information is provided in the Material Safety Data Sheet (MSDS).