

Benzophenone (BP)

Product Description

Benzophenone (BP) is a special highly-effective photoinitiator used in combination with our Amine Acrylate 115 for UV coating and printing ink systems.

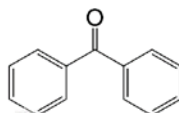
Applications

- Coating
- Inks
- Photo resists.

Chemical Data

Molecular Formula	C ₁₃ H ₁₀ O
Molecular Weight	182
CAS No.	119-61-9
EINECS No.	204-337-6

Structural Formula



Typical properties

Appearance	White to light yellow flakes or crystal powder
Purity (% , HPLC)	≥99.50
Odor	Characteristic
Melting Range	47-49°C
Boiling point	305°C
Specific gravity	1.11 @ 20°C
Vapor pressure	1 mmHg @ 108°C
ε @ 315 nm	880 ml gram-1 cm ⁻¹

Solubility

Insoluble in water; Soluble in most organic solvents and compatible with most unsaturated pre-polymers, resins and monomers used in the UV curing industry.

Health and Safety Information

Toxicity:

Acute LD50 (oral) mouse : 2895 mg/kg

Acute LD50 (oral) rat : >10,000 mg/kg

Inflammability:

Flash point : 143°C

For detailed information please consult the corresponding material safety data sheets.

Packing & Storage

- 25kg/bag. Keep in a tightly closed container and store in a cool, dry, dark, ventilated area.
- 1 year after manufacture date.

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.