

PowerCure™ PBZ Photoinitiator

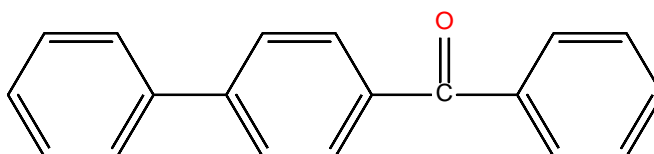
Introduction PowerCure™ PBZ is a highly efficient free radical (II) type solid photoinitiator, and it belongs to the long-wave absorbing molecular structure of the initiator.

Chemical Name 4-Phenylbenzophenone

CAS Number 2128-93-0.

EINECS Number 218-345-2

Chemical Structure



Chemical Formula C₁₉H₁₄O

Molecular Weight 258.31

Physical Properties

| | |
|--------------------|------------------|
| Appearance | Off White Powder |
| Assay (%) | Min.99.0 |
| Melting Point [°C] | 99.0-103.0 |
| Ash (%) | Max.0.1 |

Benefits & Applications

PowerCure™ PBZ is mainly used with tertiary amine synergist for unsaturated prepolymer (such as: acrylate) UV curing.

PowerCure™ PBZ can be applied in colored UV curing formulations as a light-curing initiator.

PowerCure™ PBZ unique odorless characteristics, can be used in direct contact with food, widely used in a variety of food packaging UV ink, varnish and other systems have strong absorption properties. The recommended dosage of PowerCure™ PBZ is 2-5% w/w in total.

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Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

Packing

PowerCure™ PBZ is supplied in 20Kg carton box.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.