

PowerCure™ 502 Photoinitiator

Introduction PowerCure™ 502 is a kind of compound type hydrogen captured photoinitiator with high efficient, good surface drying and low yellowing.

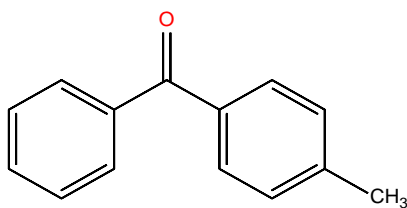
Chemical Name

| | |
|-----------------------------------|------------|
| (4-methylphenyl)(phenyl)methanone | 40.0-50.0% |
| Benzophenone | 45.0-55.0% |
| 2-Methyl benzophenone | 3.0-10.0% |

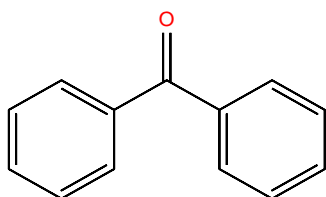
CAS Number 134-84-9, 119-61-9, 131-58-8

EINECS Number 205-159-1, 204-337-6, 205-032-0

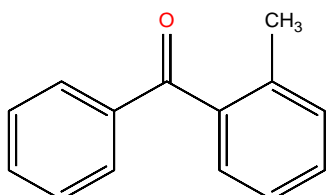
Chemical Structure



PowerCure™ MBP, CAS No.: 134-84-9



PowerCure™ BP, CAS No.: 119-61-9



PowerCure™ 2-MBP, CAS No.: 131-58-8

Physical Properties

| | |
|---------------|-------------------------------------|
| Appearance | Colorless or yellowish clear liquid |
| UV-absorption | 260nm/340nm |
| Purity (%) | Min.99 |

PowerCure™ 502 Photoinitiator

Benefits & Applications

As liquid, PowerCure™ 502 has a good solubility in acrylate monomers and resin.

PowerCure™ 502 has to be used with co-initiator (such as tertiary amine), and the recommended amount of coinitiator is 3–5 %.

And in the aqueous solution, PowerCure™ 502 is recommended to be dissolved in the organic phase first and then dispersed into the aqueous phase.

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™ 502 is supplied in 25Kg or 200Kg Drum.

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.