

PowerCure™ BCIM Photoinitiator

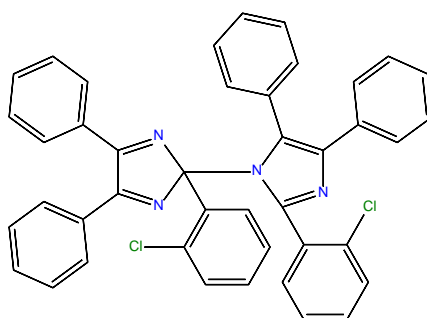
Introduction PowerCure™ BCIM is a hexaarylbiimidazole (HABI), a visible light thiol-ene photoinitiator, such as in the polymerization of 1,6-hexanediol diacrylate by hexaarylbisimidazoles and heterocyclic mercapto compounds.

Chemical Name 2,2'-Bis(2-chlorophenyl)-4,4',5,5'-tetraphenyl-1,2'-biimidazole

CAS Number 7189-82-4

EINECS Number 230-555-6

Chemical Structure



Chemical Formula $C_{42}H_{28}Cl_2N_4$

Molecular Weight 659.604

Physical Properties

Appearance	Yellow crystal powder
Density (g/cm ³)	1.24±0.1
Content (HPLC, %)	Min.99.0
Boiling Point [°C]	810.3±75.0
Melting point [°C]	200-203
Loss on drying (%)	Max.1.0
Solution clarity	Clear
Insolubles (%)	Min.0.05

Benefits & Applications PowerCure™ BCIM is a kind of photoinitiator, used in ultraviolet light polymerization system.

Handling & Storage In accordance with good industrial practice, handle with care and avoid

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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™ BCIM is supplied in 25Kg 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.

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We disclaim liability for any incidental or consequential damages.