

PowerCure™ 4265 Photoinitiator

Introduction PowerCure™ 4265 is a highly effective liquid photoinitiator blend, used for UV-polymerisation of suitable resins. PowerCure™ 4265 is easily incorporated into waterborne formulations.

Chemical Name Blend of 2,4,6-trimethylbenzoyl-diphenyl phosphine oxide (50% PowerCure™ TPO) and 2-hydroxy-2-methyl-1-phenylpropanone (50% PowerCure™ 1173)

CAS Number 75980-60-8 + 7473-98-5

Physical Properties

Appearance	Yellow Clear Viscous Liquid
TPO Content (%)	48-52
Transmittance (%) [500nm]	Min.93.0
Acid Value (mg KOH/g)	Max.0.5
Viscosity (mPa.s) [25°C]	225-500
Color	3-4

Solubility Good compatibility with most organic solvents and monomers

Benefits & Applications PowerCure™ 4265 may be used, after adequate testing, in Wood Coatings, Adhesives, Silkscreen Inks and Flexo Inks. PowerCure™ 4265 may be incorporated in Waterbased systems. Formulated product properties will depend on the actual reactive monomers, oligomers and additives utilized.

The amount of PowerCure™ 4265 required for optimum performance should be determined in trials covering a concentration range: 1 – 5 %.

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



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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™ 4265 is supplied in 20Kg 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.