

# PowerCure™ 379 Photoinitiator

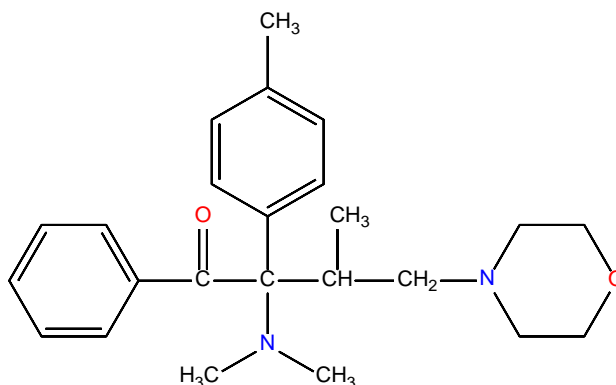
**Introduction** PowerCure™ 379 is Pale yellow solid. It is a highly efficient UV curing agent which is used to initiate the photopolymerisation of chemically prepolymers with better solubility than PowerCure™ 369.

**Chemical Name** 2-Dimethylamino-2-(4-methyl-benzyl)-1-(4-morpholin-4-yl-phenyl)-butan-1-one

**CAS Number** 119344-86-4

**EINECS Number** 438-340-0

**Chemical Structure**



**Chemical Formula** C<sub>24</sub>H<sub>32</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight** 380.5

**Physical Properties**

Appearance	Slightly yellow powder
Melting point (°C)	87-96
λ <sub>max</sub> (nm)	233, 323
Purity (%)	Min.98.5

**Solubility**

Solubility [20°C]	% w/w
Acetone	>50
TPGDA	24
Hexandedioldiacrylatte (HDDA)	30

## PowerCure™ 379 Photoinitiator

### Benefits & Applications

PowerCure™ 379 is especially suitable for pigmented UV curable systems and printing plates.

### 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™ 379 is supplied in a 20Kg Carton.

### 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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