

## PowerCure™ DEAP Photoinitiator

### Introduction

PowerCure™ DEAP is a high-boiling-point liquid effective photoinitiator which is compatible with acrylate monomers and oligomers used in UV-curable coatings, adhesives and inks. It is available in liquid form for ease of formulation and particularly useful for photo curing clear acrylate-based formulations where non-yellowing is important. It is also recommended for pigmented inks where shelf life and color stability are essential.

### Chemical Name

2, 2-Diethoxyacetophenone

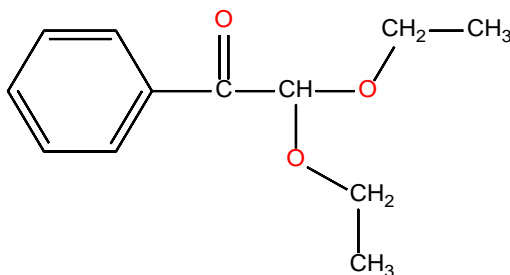
### CAS Number

6175-45-7

### EINECS Number

228-220-4

### Chemical Structure



### Chemical Formula

C<sub>12</sub>H<sub>16</sub>O<sub>3</sub>

### Molecular Weight

208.26

### Physical Properties

Appearance	Clear pale yellow liquid
Purity (%)	Min.99
Boiling point (°C)	131-134
Density [20 °C] (g/cm <sup>3</sup> )	1.03

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### Solubility

Solubility [20°C]	% w/w
Propyleneglycol diacrylate	>50
Methyl methacrylate	>50
Trimethylol propane triacrylate	>50
1,6-Hexanediol diacrylate	>50
Aromatic urethane diacrylate	>50

### Benefits & Applications

- Non-yellowing properties
- Good shelf stability
- Fast cure rate

PowerCure™ DEAP can be widely used in UV-curable coatings, adhesives and inks.

PowerCure™ DEAP can be recommended for pigmented inks where shelf life and color stability are essential.

### 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™ DEAP is supplied in a 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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