

PowerCure™ EDB Amine Synergist

Introduction

PowerCure™ EDB is a highly effective amine synergist (also called photosensitizers). When used with a low-migration Type II photoinitiator, PowerCure™ EDB will increase the photosensitivity of photoinitiator and accelerate the curing of the system.

PowerCure™ EDB is white crystalline solid with a sweet odor.

Chemical Name

Ethyl-4-dimethylaminobenzoate

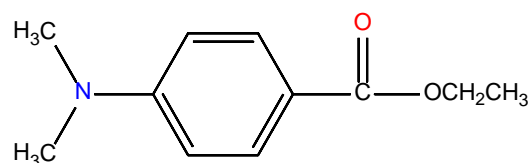
CAS Number

10287-53-3

EINECS Number

233-634-3

Chemical Structure



Chemical Formula

C₁₁H₁₅NO₂

Molecular Weight

193.24

Physical Properties

Appearance	White powder
Melting point (°C)	62-68
Volatiles (%)	Max.0.2
Purity (%)	Min.99

Benefits & Applications

PowerCure™ EDB is mainly used in UV-curing coatings and inks to initiate the photo polymerization of unsaturated prepolymers.

Recommended dosage is 2-5% w/w.

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™ EDB is supplied in a 25Kg Fiber 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.