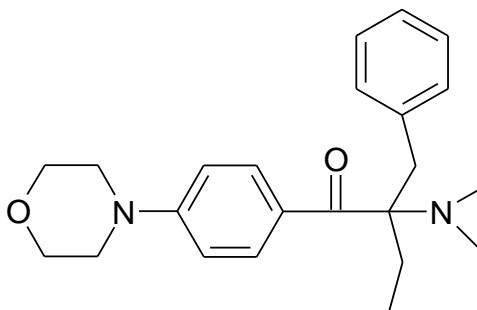


PHOTOINITIATOR
DOUBLECURE® 369
Photoinitiator for UV Radiation Curing Systems
General

Doublecure® 369 is a highly efficient Free Radical Type I solid photoinitiator for UV-polymerization of chemically prepolymers in combination with mono-or multifunctional monomers.

Properties

Structure:



Chemical Name	:	2-benzyl-2-dimethylamino-4-morpholinobutyrophenone
CAS No.	:	119313-12-1
Molecular Formula	:	C ₂₃ H ₃₀ N ₂ O ₂
Molecular Weight	:	366.5

Physical Data

Appearance	:	Pale yellow powder
Purity (%)	:	98.0 % min.
Melting point	:	108°C min.
Absorption	:	232, 323

Applications

Doublecure® 369 may be used after adequate testing alone or in combination with suitable coinitiators, e.g., Doublecure® 184, for UV curable inks and varnishes for applications on paper, metal and plastic materials. Its high absorptivity makes it especially suitable for pigmented UV-curable systems, photo resists and printing plates.

Doublecure® 369 recommended dosage: 0.5-5.0%

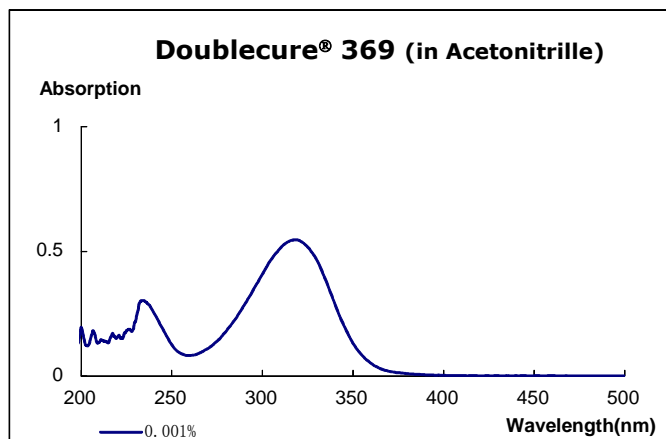
Doublecure® 369 recommended applications:

- **Screen Inks**
- **Offset Inks**
- **Photoresists**
- **Electronics**
- **Adhesives**
- **Printing Plates**

Since your specific applications and conditions of use are beyond Double Bond's control, you must determine the suitability of the product and the suggestions mentioned herein for your specific applications.

Specification	Appearance	:	Pale yellow powder
	Assay	:	98% min.
	Melting point	:	108°C min.
	Volatiles	:	0.5% max.

UV Absorption Spectrum



Storage

Doublecure® 369 is sensitive to visible light and any exposure to sunlight should be avoided. Kept at low/ambient temperature and dry conditions. Avoid contacting with strong oxidants. The product is stable for 2 years if stored in original, sealed containers under above-mentioned conditions.

DOUBLE BOND CHEMICAL
®Registered trademark
Printed in Taiwan

The information and recommendations contained herein are based on the current state of our knowledge. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

Revised date:

June 29, 2015
