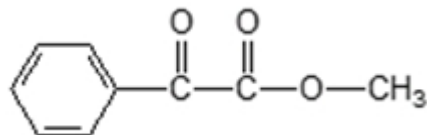


ALPHA CLEAVAGE PHOTO INITIATOR



INTRODUCTION

ADDITOL® MBF is a radical photoinitiator exhibiting very good surface cure. It can be used alone or in combination with other photo initiators in formulations containing unsaturated materials such as acrylates, methacrylates, vinyls and unsaturated polyesters. With exposure to UV light, ADDITOL® MBF undergoes a photochemical reaction that generates radicals. These radicals will initiate polymerization through the unsaturated groups present in the system.

PERFORMANCE HIGHLIGHTS

ADDITOL® MBF is characterized by:

- Low viscosity liquid at room temperature
- Mild odour

UV curable formulated products containing ADDITOL® MBF are characterized by:

- Very good surface cure
- Limited yellowing

The final properties of UV cured products also depend on the selection of other components such as oligomers, reactive diluents and additives.

SUGGESTED APPLICATIONS

ADDITOL® MBF is typically used at levels of 1 - 4% by weight based on the reactive components of the formulation. Applications include:

- Clear coats for plastic, wood and metal
- Overprint varnishes
- Paper upgrading
- Inks and pigmented coatings (in combination with other photo initiators)

PRECAUTIONS

Before using ADDITOL® MBF, see the Safety Data Sheet (SDS) for information on the identified hazards of the material and the recommended personal protective equipment and procedures.

STORAGE AND HANDLING

Store the material in a dry area out of direct sunlight. Prevent exposure to any UV or visible light. Keep containers closed and protect from physical damage.

See the SDS for the recommended storage temperature range for ADDITOL® MBF.

TYPICAL PHYSICAL PROPERTIES

Appearance	Clear yellow liquid
Assay, %	≥ 97.5
Density, g/cm ³ at 25°C	1.16
Extinction coefficients (litres gram ⁻¹ cm ⁻¹)	256 nm: 68 344 nm: 0.35
Viscosity, mPa.s at 25°C	~5
Molecular Weight	164

ABSORPTION SPECTRUM

