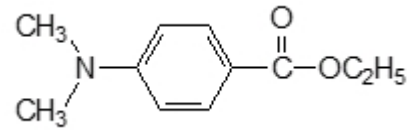


AMINE CO-INITIATOR



INTRODUCTION

ADDITOL® EPD is an amine co-initiator for radical UV curing. In combination with a hydrogen abstraction photoinitiator such as ADDITOL® ITX, ADDITOL® EPD is used in formulations containing unsaturated materials such as acrylates, methacrylates, vinyls and unsaturated polyesters. With exposure to UV light, ADDITOL® EPD undergoes a photochemical reaction that generates radicals. These radicals will initiate polymerization through the unsaturated groups present in the system. The combination of ADDITOL® EPD and ADDITOL® ITX is especially suited for curing inks and pigmented coatings.

PERFORMANCE HIGHLIGHTS

ADDITOL® EPD is characterized by:

- Light odor
- Good solubility

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

- Good surface and depth of cure with pigments

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® EPD is typically used at levels of 2 - 6% by weight, in combination with 1 - 3% ADDITOL® ITX, based on the reactive components of the formulation. Applications include:

- Flexographic inks
- Offset inks
- Screen inks
- Pigmented coatings

SPECIFICATIONS

| | |
|-------------------|--------------------------|
| Appearance | White crystalline powder |
| Melting point, °C | 62 - 68 |
| Assay, % | min. 99 |

TYPICAL PHYSICAL PROPERTIES

| | |
|------------------|---------|
| Molecular Weight | 193 |
| Volatiles | ≤ 0.25% |

PRECAUTIONS

Before using ADDITOL® EPD, 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® EPD.