

ANTI-MISTING ADDITIVE FOR OFFSET INKS

INTRODUCTION

EBECRYL® 373 is an epoxy acrylate resin in tripropylene glycol diacrylate (TPGDA) and propylene carbonate with rheology modifiers that can reduce the misting of offset inks when used as an additive.

SUGGESTED APPLICATIONS

Approximately 3 to 5 % of this additive is added to the formulated ink. EBECRYL® 373 is preferably added at the grinding stage but can also be added during letdown.

PERFORMANCE HIGHLIGHTS

EBECRYL® 373 is characterized by:

- Brown color
- Smooth paste aspect
- Reduction of misting of UV offset inks

VISCOSITY REDUCTION

EBECRYL® 373 can be diluted with reactive monomers such as oligotriacrylate (OTA 480)⁽¹⁾ and tripropyleneglycol diacrylate (TPGDA)⁽¹⁾. The specific reactive diluent(s) used will influence performance properties such as hardness and flexibility.

⁽¹⁾ product of allnex

SPECIFICATIONS

Appearance	Brown paste
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TYPICAL PROPERTIES

Resin, % by weight	0.99
TPGDA, % by weight	80
propylene carbonate, % by weight	50

STORAGE AND HANDLING

Care should be taken not to expose radiation curable products to temperatures exceeding 40°C for prolonged periods or to direct sunlight. This might cause uncontrollable polymerisation of the product with generation of heat.

Storage and handling should be in stainless steel, amber glass, amber polyethylene or baked phenolic lined containers. Do not store this material under an oxygen free atmosphere. Use dry air to displace material removed from the container. This material should not be stored for more than 2 years.

PRECAUTION

The following is a summary of the precautions to be taken when handling this product. Please refer to the Safety Data Sheet for further details.

The toxicological properties of this material have not been fully determined. Products of this type can be expected to be eye and skin irritant and have the potential to cause sensitisation or other allergic responses. Appropriate precautions should be taken to avoid eye and skin contact and to avoid inhalation of the aerosols or vapours.

Consult the relevant Safety Data Sheet for appropriate handling procedures and protective equipment prior to using this or any other material referred to in this bulletin.

See Safety Data Sheet for emergency and first aid procedures.

STATUTORY LABELING

For Statutory Labeling information, please refer to Safety Data Sheet.