

EBECRYL® 117

Hydroxy Functional Monoacrylate

October 2018



INTRODUCTION

EBECRYL 117 is a low odor aliphatic mono-functional diluting acrylate. It is recommended for use in ultraviolet light (UV) or electron beam (EB) curable coatings to increase flexibility and improve adhesion.

PERFORMANCE HIGHLIGHTS

EBECRYL 117 is characterized by:

- Low odor
- Low viscosity
- Reactive through hydroxyl group

UV/EB cured coatings based on EBECRYL 117 are characterized by the following performance properties:

- Good flexibility
- Good adhesion
- Low residual odor

The properties of UV/EB cured products also depend on the choice of the other formulation components, such as reactive diluent(s), oligomer(s), additives and photo initiators.

SUGGESTED APPLICATIONS

EBECRYL 117 has been developed for the formulation of dual cure coatings and to improve adhesion of acrylic resins.

EBECRYL 117 is recommended for use in:

- Acrylic adhesives
- Acrylic paints
- improving adhesion onto melamine

TYPICAL PROPERTIES

	VALUE
Color, Pt-Co scale ⁽¹⁾	<100
Hydroxyl value, mg KOH/g	~160
Density, g/ml	1.1
Tg of homopolymer (°C, estimate)	-50
Viscosity, 25°C, cP/mPa·s	~70

PRECAUTIONS

Before using EBECRYL 117, 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

Care should be taken not to expose the product to high temperature conditions, direct sunlight, ignition sources, oxidizing agents, alkalis or acids. This might cause uncontrollable polymerization of the product with the generation of heat. Storage and handling should be in stainless steel, amber glass, amber polyethylene or baked phenolic lined containers. Procedures that remove or displace oxygen from the material should be avoided. Do not store this material under an oxygen free atmosphere. Dry air is recommended to displace material removed from the container. Wash thoroughly after handling. Keep container tightly closed. Use with adequate ventilation.

See the SDS for the recommended storage temperature range for EBECRYL 117.

Please refer to the allnex Guide to Safety and Handling of Acrylate Oligomers and Monomers for additional information on the safe handling of acrylates.

(1) Also referred to as APHA color.

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