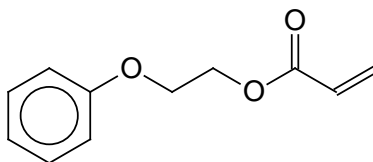


# EBECRYL® 114

2-Phenoxyethyl Acrylate

March 2017



## INTRODUCTION

EBECRYL 114 is a monofunctional reactive diluent characterized by low viscosity and relatively low odor. EBECRYL 114 is used in ultraviolet light (UV) or electron beam (EB) cured coatings and inks to control viscosity and increase adhesion and flexibility.

## PERFORMANCE HIGHLIGHTS

EBECRYL 114 is characterized by:

- Low viscosity
- Excellent diluency
- High refractive index

UV/EB curable formulated products containing EBECRYL 114 are characterized by:

- Improved adhesion
- Good flexibility
- Higher refractive index

The actual properties of UV/EB cured products also depend on the selection of the other formulation components such as oligomers, additives and photoinitiators.

## SUGGESTED APPLICATIONS

EBECRYL 114 is recommended as a reactive diluent for:

- Coatings and screen inks on flexible and semi-rigid plastics including polyolefins
- Optical fiber coatings
- High refractive index coatings

## SPECIFICATIONS

	VALUE
Acid value, mg KOH/g, max.	2
Appearance	Clear liquid
Color, Pt-Co scale <sup>(1)</sup> , max.	100
Viscosity, 25°C, cP/mPa·s, max.	20

## TYPICAL PHYSICAL PROPERTIES

Density, g/ml at 25°C	1.10
Flash point, Setaflash, °C	>100
Formula weight	192
Refractive index (n <sub>D</sub> at 20°C)	1.515

## CHEMICAL ABSTRACT SERVICE NUMBER

48145-04-6

2-Propenoic acid, 2-phenoxyethyl ester

## PRECAUTIONS

Before using EBECRYL 114, 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 114.

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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