

POLYETHYLENE GLYCOL DIACRYLATE

INTRODUCTION

EBECRYL® 11 is a polyethylene glycol diacrylate derivative. EBECRYL® 11, being 100% water soluble, is designed for use in applications needing this type of solubility.

PERFORMANCE HIGHLIGHTS

EBECRYL® 11 is characterized by:

- Low viscosity
- Low color

UV/EB cured products based on EBECRYL® 11 are characterized by the following performance properties:

- Good flexibility
- Low water resistance

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

SUGGESTED APPLICATIONS

Formulated UV/EB curable products containing EBECRYL® 11 may be applied by lithographic, screen, gravure, direct or reverse roll, and curtain coating methods.

EBECRYL® 11 is recommended for use in:

- Screen inks and coatings
- Wood applications
- Paper coatings

TYPICAL VALUE

Density, g/cm ³	1.12
Molecular weight, theoretical	± 700
Functionality, theoretical	2
Polymer solids, % by weight	100

“EBECRYL® 11 solidifies when the temperature falls below 17 - 22°C.”

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 sensitization or other allergic responses. Appropriate precautions should be taken to avoid eye and skin contact and to avoid inhalation of the aerosols or vapors. 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.

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 polymerization 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.

STATUTORY LABELING

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