

POLYMERIC PHOTOINITIATOR

INTRODUCTION

EBECRYL® P39 is a polymeric benzophenone derivative to be used as a radical photoinitiator in UV coatings. EBECRYL® 39 exhibits the advantages of low or no odour during curing. Recommended levels are from 8 to 10% based on total formulation. EBECRYL® P39 should be used in combination with amine co-initiators such as EBECRYL® 7100 or EBECRYL® P116.

PERFORMANCE HIGHLIGHTS

UV/EB cured products based on EBECRYL® P39 are characterized by the following performance properties:

- Low odour
- Increased flexibility

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.

TYPICAL VALUE

Höppler viscosity at 25°C, mPa.s	9000
Colour, Gardner	max. 8
Density, g/cm ³	1.19

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. 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.

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 Safety Data Sheet.

