

EBECRYL® 741

May 2018



INTRODUCTION

Ebecryl®741 is an adhesion promoting resin with excellent pigment dispersion properties for radiation curable screen inks. It is designed for general purpose application on many treated plastic substrates. It can also be used as a let-down resin in combination with Ebecryl epoxy acrylates, polyester acrylates and urethane acrylates*.

* incompatibility problems can arise when using more than 10%

PERFORMANCE HIGHLIGHTS

Formulating the paste ink

Ebecryl®741 is characterized by:

- ✓ moderate viscosity
- ✓ good milling properties
- ✓ vehicle for the grind and let down

The application of a screen ink based on

Ebecryl®741 ensures

- ✓ excellent intercoat adhesion
- ✓ good substrate wetting

Cured ink performance

The cured ink exhibits

- ✓ good substrate adhesion
- ✓ excellent intercoat adhesion
- ✓ flexibility

The other desired properties (like scratch and chemical resistance) of the final cured products also depend on the selection of other formulation components such as reactive diluents, additives and photoinitiators.

SUGGESTED APPLICATIONS

Ebecryl®741 is recommended for use in:

- screen inks and adhesives for difficult substrates such as polyester, polypropylene, polyethylene, polystyrene, polyvinyl chloride, etc ...

Some of the end use applications are :

- ✓ banners
- ✓ POS posters
- ✓ containers
- ✓ CDs
- ✓ loose leaves
- ✓ membranes/switches

PHYSICAL VALUES

Viscosity, Höppler 25°C	3000-4500mPa.s
Colour , Gardner	max 4
Density, g/cm ³ , 25°C	1,05
Appearance	yellow liquid

RECOMMENDED FORMULATION

One example of a recommended formulation is as follows :

Ingredients	Percentage
Ebecryl®741	30-50
DPHA	7,5-12,5
HDDA	12,5-36,5
Ebecryl 7100	5-10
Ebecryl 1290	6-9
Pigment	4-7
Photoinitiator	5-7
Additives	0,5-2

For detailed information, see technical leaflet.

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 temperatures below 10°C must be avoided.

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 sensitization 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 LABELLING

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

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