

EBECRYL® 853

DILUTING ACRYLATE

February 2017



INTRODUCTION

Ebecryl®853 is a trifunctional low viscous diluting acrylate giving low odour after UV or EB curing and low extractables. It is compatible with a wide range of acrylated resins.

Ebecryl®853 was designed to produce low irritant formulations when mixed with products like Ebecryl 851 or Ebecryl 852 for Industrial Coatings applications.

PERFORMANCE HIGHLIGHTS

Ebecryl®853 is characterised by :

- ✓ low viscosity
- ✓ UV/EB cured products based on Ebecryl®853 are characterised by the following performance properties:
- ✓ good cure response
- ✓ good flexibility
- ✓ low odour
- ✓ low extractables

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

SUGGESTED APPLICATIONS

Ebecryl®853 is specially recommended to formulate low irritant mixtures with low extractables for Industrial Coating application, like furniture applications, and applied by roller coater, spray or curtain coater.

TYPICAL VALUES

Höppler viscosity at 25 °C, mPa.s	80
Colour, Apha	max. 200
Appearance	clear yellow liquid

PHYSICAL PROPERTIES

Density, g/cm ³	1.10
Molecular weight, g/mol	470
Functionality	3

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 polymerisation 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.

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.

Although Ebecryl®853 is not classified as irritant, it could be used in combination with other components that are eye and skin irritant and have the potential to cause sensitisation or other allergic responses. Therefore 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

Please refer to Safety data Sheet

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