TECHNICAL DATASHEET

EBECRYL® 375

TETRAMERCAPTO DERIVATIVE

February 2017

EBECRYL® UV/EB Energy Curable Resins

INTRODUCTION

Ebecryl®375 is a tetramercapto derivative designed as adhesion promotor on metal. It is used in a concentration of 2-10 % in acrylated systems to improve adhesion and flexibility.

SUGGESTED APPLICATIONS

Formulated UV/EB curable products containing Ebecryl®375 may be applied by lithographic, screen, gravure, direct or reverse roll, and curtain coating methods.
Ebecryl®375 is recommended for use in :

- ✓ Solder resists
- ✓ Metal coatings
- ✓ Thick coatings

PERFORMANCE HIGHLIGHTS

Ebecryl®375 is characterized by :

- ✓ Light colour
- ✓ Low viscosity

UV/EB cured products based on Ebecryl®375 are characterized by the following performance properties :

- ✓ Improved adhesion on metals

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 photoinitiators.

TYPICAL VALUE

Appearance	clear to hazy liquid
Höppler viscosity at 25°C, mPa.s	± 500
Colour, Gardner	max. 2
Content of [SH], meq/g	min. 6.5
Draize PII	0

PHYSICAL PROPERTIES

Density, g/cm^3	1.27
Polymer solids, % by weight	100

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.

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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