

INTRODUCTION

EBECRYL® MPDDA is a difunctional monomer which polymerizes when exposed to sources of free radicals. This difunctional acrylated monomer is particularly useful in inks and coatings where improved elasticity, weathering and adhesion are desired in combination with an excellent water resistance.

PERFORMANCE HIGHLIGHTS

EBECRYL® MPDDA is characterized by:

- Very low viscosity
- Good oligomer diluent
- Light colour

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

- Excellent weathering
- · Good cure response at low cross-link density
- Good adhesion
- Good water resistance

SUGGESTED APPLICATIONS

EBECRYL® MPDDA finds application in UV/EB cured inks and coatings systems. EBECRYL® MPDDA is especially useful in applications where improved adhesion (particularly to plastics), improved elasticity or weathering, are desired.

TYPICAL VALUES

Appearance	clear liquid
Dynamic viscosity at 25°C, mPa.s	4 - 8
Colour, Apha	max. 100
Acid value, mg KOH/g	max. 0.40

TYPICAL PHYSICAL PROPERTIES



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.

See Certificate of Analysis (CoA) for the actual shelf life of EBECRYL® MPDDA.

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 LABELING

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

1.0 / 30.11.2020 (replaces all previous versions)

Worldwide Contact Info: www.allnex.com

Page 1/1

Disclaimer: allnex Group companies ('allnex') exclude all liability with respect to the use made by anyone of the information contained herein. The information contained herein represents allnex's best knowledge but does not constitute any express or implied guarantee or warranty as to the accuracy, the completeness or relevance of the data set out herein. Nothing contained herein shall be construed as conferring any license or right under any patent or other intellectual property rights of allnex or of any third party. The information relevance of the products is given for information is suitable for any specific use, performance or result. Any unauthorized use of the product or information may infringe the intellectual property rights of allnex, including its patent rights. The user should perform his/her own tests to determine the suitability for a particular purpose. The final choice of use of a product and/or information as well as the investigation of any possible violation of intellectual property rights or misappropriation of trade secrets of allnex and/or third parties remain the sole responsibility of the user. Notice: Trademarks indicated with *, TM or * as well as the allnex name and logo are registered, unregistered or pending trademarks of Allnex Netherlands B.V. or its directly or indirectly affiliated allnex Group companies. ©2020 allnex Group. All Rights Reserved.