BASF Intermediates

Chemistry for Coatings

Amines, Butanediol & Derivatives, Acids & Polyalcohols, Acetylenics & Carbonyl Derivatives
### Polymer system

<table>
<thead>
<tr>
<th>Vinyl</th>
<th>BASF Intermediates for Polymer production</th>
<th>BASF Intermediates for Coating formulation</th>
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</thead>
</table>
| Dispersions – all acrylic, styrene/acrylic, vinyl acetate | Vinyl monomers for special pendant functionality | • Amines – pH adjustment  
• Coalescing agents |
| Acrylic (general) | Vinyl monomers for special pendant functionality | • Vinyl monomers as reactive diluents  
• Aromatic tertiary amines as peroxide synergists |
| PMMA/MMA       | –                                       | • Vinyl monomers as reactive diluents  
• Aromatic tertiary amines as peroxide synergists |

<table>
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<tr>
<th>Polyester</th>
<th>Acids, diols – for polymer synthesis</th>
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</table>
| Polyester/alkyd dispersions | Acids, diols – for polymer synthesis | • Amines – pH adjustment  
• Coalescing agents |
| Unsaturated polyesters | Acids, diols – for polymer synthesis | • Vinyl monomers as reactive diluents  
• Aromatic tertiary amines as peroxide synergists  
• Tertiary amines for photoinitiator synergists |
| Polyester acrylates | Acids, diols – for polymer synthesis | • Vinyl monomers as reactive diluents  
• Tertiary amines for photoinitiator synergists |

| Polyurethane acrylates | Diols – for oligomer synthesis | – |
| Polyurethane resins | Diols – for polymer synthesis | • Vinyl monomers as reactive diluents  
• Tertiary amines for photoinitiator synergists  
• Basionics® Ionic Liquids – antistatic additives  
• Diols – reactive diluents for 2K formulations  
• Lupragen® – catalysts  
• Diamines – rheology modification |
| Polyurethane dispersions | Diols, diamines – for polymer synthesis | • Amines – pH adjustment  
• Coalescing agents |
| Polyureas | – | Baxxodur® Amines – polymer chain extenders |

| Epoxy (general) | Catalysts – Imidazoles, Amines, triphenyl phosphine  
• Amines for cationic modification | Catalysts – Imidazoles, Amines, Basionics® Ionic Liquids |
| Epoxy acrylates | Catalyst – triphenyl phosphine | • Vinyl monomers as reactive diluents  
• Tertiary amines for photoinitiator synergists |
| 2K epoxy/amine | Baxxodur® Amines – building blocks | Baxxodur® Amines as curing agents |
| 2K epoxy/anhydride | – | Catalysts – Imidazoles, Amines, Basionics® Ionic Liquids |
| 2K epoxy/DICY | – | Catalysts – Imidazoles, Amines, Basionics® Ionic Liquids |

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**Chemistry for Coatings**  
For more information, please visit Intermediates.basf.com/coatings.  
Or scan the QR code.  
Contact us at info.intermediates@basf.com