## 2022 PRODUCT LINE CARD - EUROPE

### ACETYLs
- Vinyl Acetate Monomer (VAM)
- Bio-based Vinyl Acetate Monomer (Bio-VAM)
- Polyvinyl Alcohol (PVOH)
- Ethylene Vinyl Alcohol (EVOH)
- Vinyl Acetate Ethylene Re-dispersible Powders (VAE RDPs)
- Vinyl Acetate Ethylene Emulsions

### ACRYLATES, METHACRYLATES & COMPANION CHEMICALS
- Glacial Acrylic Acid (GAA)
- Glacial Methacrylic Acid (MAA)
- Butyl Acrylate (BA)
- 2-ethylhexyl Acrylate (2-EHA)
- Methyl Acrylate (MA)
- Methyl Methacrylate (MMA)
- Butyl Methacrylate (nBMA/iBMA)
- UV Monomers (e.g.: DPGDA, TPGDA)
- Acrylate intermediates (HEA, HPA)
- Methacrylate Intermediates (HEMA, HPMA)
- Caprolactone-modified acrylates and Methacrylates
- Adipic Dihydrazide and Diacetone Acrylamide (ADH & DAAM)

### POLYOLS
- Polytetramethylene Ether Glycols (PTMEG). MW Range 220, 650, 1000, 1400, 1800, 2000 & 3000
- Polycaprolactone polyols MW Range 500 – 10000; 2, 3 & 4 functional
- Polycarbonate diols
- Bio-based polyether polyols based on 1,3 Propane diol; 1000 and 2000 MW
- Aliphatic polyester polyols
- Bio-based Aliphatic polyester polyols
- Bio-based Aromatic polyester polyols
- Polyether polyols (PPG, PEG)
- Aromatic Polyether polyols

### EPOXY RESINS
- Bisphenol A/F Epoxy Resins
- C12-C14 Monoglycidylether reactive diluent
- Epichlorohydrin
- Cycloaliphatic Epoxides

### AMINE CURATIVES
- DETDA
- MOCA Alternatives
- DMTDA
- MCDEA
- MBOEA
- Amine terminated ether-diol-esters
- Hexamethylene Tetraamine (Hexamine)
- Triethylamine

### ISOCYANATES
- Monomeric MDI
- Ortho-rich MDI
- Carbodiimide modified MDI
- Polymeric MDI
- TDI

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### Chain Extenders, Resin Intermediates, Acids & Anhydrides

- Bio-based 1,3-Propanediol
- Cosmetic grade Bio-based 1,3-Propanediol
- 2-Methyl-1,3-Propanediol (MPO)
- Cosmetic grade 2-Methyl-1,3-Propanediol (MPOH)
- 1,3-Butylene glycol (13BG)
- 1,4-Butanediol, high purity & low moisture for PU systems (BDO)
- 1,4-Cyclohexanedimethanol (CHDM)
- 1,5-Pentanediol
- 3-Methyl-1,5-Pentanediol
- 1,6-Hexanediol (HDO)
- 1,10-Decanediol
- 1,12-Dodecanediol
- Trimethylolpropane (TMP)
- Pentaerythritol (Penta)
- Di-pentaerythritol (Di-Penta)
- Bisphenol A (BPA)
- Mono Propylene glycol (MPG) (in development)
- Dipropylene glycol (DPG) (in development)
- Hydroquinone bis(2-Hydroxyethyl) Ether (HQEE)
- Resorcinol bis(2-hydroxyethyl) Ether (HER)
- Adipic Acid
- Benzoic Acid
- Bio-based Succinic Acid
- Bio-based Sebacic Acid
- Hexahydrophthalic Anhydride (HHPA)
- Phthalic Anhydride
- Maleic Anhydride
- Trimellitic Anhydride

### Solvents & Plasticisers

- Tetrahydrofuran (THF)
- Gamma-butyrolactone (GBL)
- N-Methylpyrrolidone (NMP)
- N-Ethylpyrrolidone (NEP)
- 2-Pyrrolidone (2PY)
- Dipropylene glycol Dimethyl Ether (DPGDME)
- Dibutyl Maleate (DBM)
- Dioctyl Maleate (DOM)
- Dimethylacetamide (DMAC)
- Dibasic Ester (DBE)
- DCPD

### Application Areas

- Paints & Coatings
- Adhesives
- Sealants
- Elastomers
- Rigid Foams
- Flexible Foams
- Oilfield Chemicals
- Optics
- 3D Printing
- Inks
- Films
- Polymers and polymer modification
- Water treatment
- Waterbased Dispersions

### Markets Served

- Automotive
- Construction
- Textiles
- Electronics
- Paper and Packaging
- Industrial & Commercial
- Plastics