Specialty Chemicals and Intermediates

Meet Milliken – Your Product Development & Manufacturing Partner

Innovation Excellence
Milliken & Company has a rich history of innovation and a strong technological heritage, supported by the largest textile and chemical research facility in the world. We pride ourselves on working closely with customers to deliver unique products and solutions that fit their needs and exceed their expectations. Milliken’s laboratory facility uses the latest research tools and prepares product samples for customer testing, optimization and qualification.

Manufacturing Excellence
For more than 50 years, Milliken & Company has been developing and manufacturing specialty products for our industry partners. Our broad chemistry portfolio encompasses alkoxylation, esterification, anhydrides, and emulsion polymerization. Our facilities offer flexible manufacturing capabilities, extensive blend facilities, and a fully dedicated pilot plant staff and equipment for scale-up.

Specialty Additives
Milliken serves its customers with specialty products in many applications and across several industries for a variety of uses, from paints & coatings to personal care, including:

- Surfactants
- Emulsifiers
- Dispersants
- Solubilizers
- Film Formers
- Lubricants/Emollients
- Gelling Agents
- Anhydrides

Many of these products are sold under the trade names Syn Fac® and Syn Lube.
Specialty Chemicals and Intermediates

Alkoxylates, Esters, Anhydrides, and Custom Products

**Alcohol Alkoxylates**
(EO, PO, Combination)
- Ethanol Alkoxylates
- Butanol Alkoxylates
- n-Decyl Alcohol Alkoxylates
- Isodecyl Alcohol Alkoxylates
- Lauryl Alcohol Alkoxylates
- Tridecyl Alcohol Alkoxylates
- C12-C14 Alkoxylates
- Stearyl Alcohol Alkoxylates

**Fatty Acid Alkoxylates**
(EO, PO, Combination)
- Coconut Fatty Acid Alkoxylates
- Tall Oil Fatty Acid Alkoxylates
- Neodecanoic Fatty Acid Alkoxylates

**Triglyceride Alkoxylates**
(EO, PO, Combination)
- Castor Oil Alkoxylates
- Hydrogenated Castor Oil Alkoxylates

**EO-PO Copolymers**
- Butanol Initiated Random Copolymers
- Random Copolymers
- Block Copolymers

**Polyethylene Glycols**
PEGs 100-6000

- Specialty Branched Alkoxylates
  (EO, PO, Combination)
  - Glycerine Alkoxylates
  - Trimethylolpropane Alkoxylates
  - Pentaerythritol Alkoxylates
  - Dipentaerythritol Alkoxylates
  - Sorbitol Alkoxylates
  - Sucrose Alkoxylates

- Phenol Alkoxylates
  (EO, PO, Combination)
  - Bisphenol A Alkoxylates
  - Bisphenol A Alkoxylates, Sulfated
  - Bisphenol A Alkoxylates, Phosphated
  - Distyrylphenol Alkoxylates
  - Distyrylphenol Alkoxylates, Phosphated
  - Nonylphenol Alkoxylates
  - p-Cumylphenol Alkoxylates

- Other Alkoxylates
  (EO, PO, Combination)
  - 1,4 Cyclohexanediol Alkoxylates
  - 1,6 Hexanediol Alkoxylates
  - Tetrahydrofurfuryl Alcohol Alkoxylates
  - 2-Methoxyethanol Alkoxylates
  - Triethanolamine Alkoxylates

- Anhydrides
  - Dodecenyl Succinic Anhydride (DDSA)
  - Octadecenyl Succinic Anhydride (ODSA)
  - Octenyl Succinic Anhydride (OSA)
  - Hexahydrophthalic Anhydride (HHPA)

- Other
  - Hydrogenated Bisphenol A (HBPA)

- Specialty Esters
  - Alkyl PEG Pelargonate
  - 2-Octyldodecanol Pelargonate
  - Castor Oil Ethoxylate Ditallate
  - Hydrogenated Castor Oil Ethoxylate Tricocoate

One of Milliken Chemical’s strengths is to use its broad chemical expertise and experience in developing products for a variety of industries to provide our customers with innovative solutions. We welcome specialty applications and will work with you to create differentiated, custom solutions. For further product information, custom applications, samples, or technical service, contact your Milliken Chemical representative.

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