

Milliken® Specialty Chemicals and Intermediates



A broad chemistry portfolio with flexible manufacturing capabilities to produce unique products and custom solutions.

Innovation and Manufacturing Excellence

For more than 50 years, Milliken & Company has been developing and manufacturing specialty products for our industrial partners. 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 sample for customer testing, optimization and qualification. Our manufacturing facilities offer flexible capabilities over a broad range of equipment, with a fully dedicated pilot plant staff and equipment for scale up.



Unparalleled Customer Service

- Dedicated chemists for scale-up of new products
- Dedicated laboratory assets for alkoxylation trials and new product development
- Customer focused supply chain team
 - Meet packaging needs from 1 gallon to FTL
 - Sourcing of components for specific formulations
 - Custom manufacturing and blending capabilities

Best-in-Class Equipment

- Alkoxylation reactors ranging from 100 gallons to 6,500 gallons
- Solids separation and filtration equipment
- Hot oil, steam, tempered water, cooling water and chilled water utilities

Manufacturing & Environmental Expertise

- ISO 9001 and 14001 certified
- On-site biological wastewater treatment
- Direct rail access

Chemistry Types

Alkoxylation

- Ethylene Oxide
- Propylene Oxide

Quaternization

- Diethyl Sulfate

Esterfication

Phosphation

- Phosphoric Anhydride
- Phosphorus Oxychloride

Sulfation

- Sulfamic Acid

Anhydrides





Specialty Chemicals and Intermediates

Alkoxyates, Esters, Anhydrides, and Custom Products

Alcohol Alkoxyates (EO, PO, Combination)

Ethanol Alkoxyates
Butanol Alkoxyates
n-Decyl Alcohol Alkoxyates
Isodecyl Alcohol Alkoxyates
Lauryl Alcohol Alkoxyates
Tridecyl Alcohol Alkoxyates
C12-C14 Alcohol Alkoxyates
Stearyl Alcohol Alkoxyates

Fatty Acid Alkoxyates (EO, PO, Combination)

Coconut Fatty Acid Alkoxyates
Tall Oil Fatty Acid Alkoxyates
Neodecanoic Fatty Acid Alkoxyates

Triglyceride Alkoxyates (EO, PO, Combination)

Castor Oil Alkoxyates
Hydrogenated Castor Oil Alkoxyates

EO-PO Copolymers

Butanol Initiated Random Copolymers
Random Copolymers
Block Copolymers

Polyethylene Glycols

PEGs 100-6000

Polypropylene Glycols

PPG 400-2000

Specialty Branched Alkoxyates (EO, PO, Combination)

Glycerine Alkoxyates
Trimethylolpropane Alkoxyates
Pentaerythritol Alkoxyates
Dipentaerythritol Alkoxyates
Sorbitol Alkoxyates
Sucrose Alkoxyates

Phenol Alkoxyates (EO, PO, Combination)

Bisphenol A Alkoxyates
Bisphenol A Alkoxyates, Sulfated
Bisphenol A Alkoxyates, Phosphated
Distyrylphenol Alkoxyates
Distyrylphenol Alkoxyates, Phosphated
Nonylphenol Alkoxyates
p-Cumylphenol Alkoxyates

Specialty Polyol

Hydrogenated Bisphenol A (HBPA)

Other Alkoxyates (EO, PO, Combination)

1,4 Cyclohexanedimethanol Alkoxyates
1,6 Hexanediol Alkoxyates
Tetrahydrofurfuryl Alcohol Alkoxyates
2-Methoxyethanol Alkoxyates
Triethanolamine Alkoxyates

Anhydrides

Dodeceny Succinic Anhydride (DDSA)*
Octadeceny Succinic Anhydride (ODSA)*
Octenyl Succinic Anhydride (OSA)
Hexahydrophthalic Anhydride (HHPA)

Specialty Esters

Alkyl PEG Pelargonate
2-Octyldodecanol Pelargonate
Castor Oil Ethoxylate Dittalate
Hydrogenated Castor Oil
Ethoxylate Tricocoate



Please contact your Milliken representative for any additional information.

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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