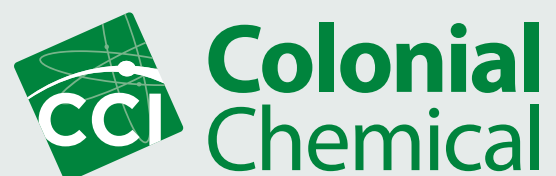


Products for Use in  
Coatings, Adhesives,  
Sealants & Elastomers

*Effective October 2023*



# Colonial Chemical Products for Use in Coatings, Adhesives, Sealants & Elastomers

Colonial Chemical develops and manufactures a range of raw materials for the CASE market. We offer technologies including plant-based emulsifiers for emulsion polymerization, reactive diluents, APE-free natural surfactants for pigment dispersion, and reactive monomers for performance enhancement.

Colonial Chemical is also in the forefront in the innovation of substituting petroleum-based chemicals and materials with sustainable materials and water-borne products. These chemistries reduce the presence of harmful chemicals

and materials into the environment while meeting demanding formulation expectations.

Our technical group is always available to assist with any formulation need and ensure that the quality of each product is the result of careful analyses. We also adhere closely to regulatory compliance and end-market performance requirements.

---

## Cola®Mer *Reactive Monomers for Performance Enhancement*

---

<b>Cola®Mer HMP</b>	Hydroxyethyl Methacrylate Phosphate
<b>Cola®Mer BEM</b>	Behenyl Ethoxy Methacrylate
<b>Cola®Mer CEM</b>	Stearyl Ethoxy Methacrylate
<b>Cola®Mer SEM</b>	Tristyrylphenol Ethoxy Methacrylate
<b>Cola®Mer MAP-2</b>	Phosphated Alkoxy Methacrylate

Functional monomer used in emulsion polymerization systems, paint and coatings, adhesives, plastics, and composites. When blended into a polymer, Cola®Mer HMP promotes adhesion to substrates and corrosion resistance. Cola®Mer HMP improves pigment dispersion and provides antistatic properties to polymers.

### BENEFITS

- Adhesion promotion
- Corrosion inhibition
- Surface preparation
- Static charge reduction

- Emulsion stabilization
- Low color preferred in optical applications
- Flame retardant

### APPLICATIONS

- Adhesives and plastics
- Paints and coatings
- Composites and prepreps
- UV inkjet inks
- Gel coats
- Fibers
- Dentin treatment to improve bonding of adhesives



---

## Cola®Dil *Reactive Diluents*

---

<b>Cola®Dil MOD 8</b>	Alkyl (C12-C14) Glycidyl Ether
<b>Cola®Dil COTE</b>	Castor Oil Triglycidyl Ether

Monofunctional reactive diluent used to reduce the viscosity of epoxy resin systems. It is an aliphatic glycidyl ether containing alkyl chains which are predominately C12 and C14 in length. Cola®Dil MOD 8 may be blended easily with liquid resins at room temperature and is compatible with epoxy resins in all ratios. Commonly recommended curing agents for unmodified epoxy resin systems may be used with Cola®Dil MOD 8 blends.

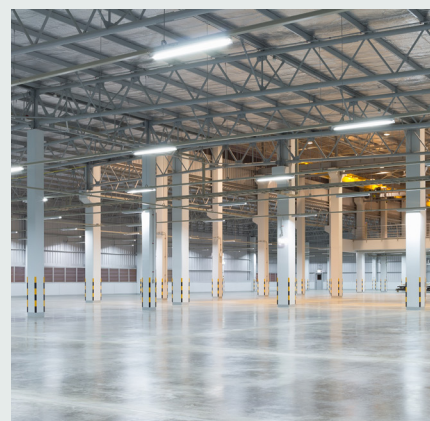
### BENEFITS

- Efficiently reduces viscosity of conventional epoxy resins
- Reduces brittleness and improves toughness of crosslinked coatings

- Low toxicity and low vapor pressure
- Improved adhesion to non-polar surfaces
- Low level volatility
- Increased flexibility
- Excellent substrate and filler wetting characteristics
- Non-offensive odor

### APPLICATIONS

- Flooring, grouts and mortars
- Coatings of high and 100% solids
- Laminates
- Exposed aggregate surfaces



## Suga®Sperse APE-Free, Natural Surfactants for Pigment Dispersion

**Suga®Sperse 60P** Poly Alkyl Glucoside Sorbitan Oleate

**Suga®Sperse 90P** Poly Alkyl Glucoside Sorbitan Oleate

Naturally-based nonionic polymeric pigment dispersant that aids in wetting and dispersion of pigments in aqueous coatings or pigment concentrates. It is derived from alkyl glucoside chemistries and offers formulators more sustainable advantages than typical surfactants. Stabilizes pigment particles and offers good wetting for lower surface tension than that of the pigment.

### BENEFITS

- 100% naturally-derived, high biobased chemistry
- Free of alkyl phenol ethoxylates
- 1,4-dioxane free

- VOC-free
- Biodegradable
- Nonionic
- Aids in wetting and dispersion of pigments in aqueous coatings by means of steric stabilization
- Effective dispersant for pigment concentrates
- Provides reduction in viscosity
- Improved processing times
- Easy and safe to process and handle
- Increased pigment loading

### APPLICATIONS

- Pigment wetting and dispersing



## Cola®Tex Plant-Based Emulsifiers for Emulsion Polymerization

**Cola®Tex 127** Proprietary Surfactant Blend of Functionalized Alkyl Poly Glucosides

Predominately naturally-derived blend of functionalized alkyl poly glucosides (APG) and anionic surfactants. Cola®Tex 127 is used in the creation of emulsion polymers.

### BENEFITS

- Single product to make acrylic latex formulations for excellent cost/performance
- No EO-1,4 Dioxane or other components of Prop 65 concern
- No Alkyl Phenol Ethoxylate (APE)
- No Sulfates
- Small particle size with low coagulation

- Predominately derived from vegetable sources
- Outstanding human and environmental safety
- Simplifies and speeds the manufacturing process
- Anionic and nonionic compatible
- Easy to handle
- Stable at high and low pH

### APPLICATIONS

- Industrial emulsion polymers
- Coatings, adhesives, sealants, elastomers
- Personal care waxes, films, cosmetics



## Cola®Fax Alkoxylate Phosphate Esters

**Cola®Fax 3389** Alkoxylate Phosphate Esters

**Cola®Fax 3390** Alkoxylate Phosphate Ester Potassium Salt

Anionic emulsifiers used in the emulsion polymerization of monomers like pure acrylic, styrene-acrylic acid esters and vinyl acetate. Improves freeze-thaw resistance of paint and provides corrosion protection for various ferrous metals commonly used in exterior building construction. Can be used as an antiwear agent under extreme pressure conditions in metalworking fluids. Does not contain any alkyl phenol ethoxylates (APEOs).

### BENEFITS

- Excellent wetting
- Pigment dispersion

- Improves gloss
- Flash & nail head rust inhibition
- Low water sensitivity
- Solvent-free

### APPLICATIONS

- Hard surface cleaning
- Emulsion polymer emulsifier
- Vehicle cleaners
- Corrosion inhibitors
- Lubricant anti-wear properties
- Textile wetting



## Contact us today.

One of our customer service representatives or technical advisors will be happy to help you locate the right product you need with specifications, formulations and product samples upon request.

[www.colonialchem.com](http://www.colonialchem.com)



## Colonial Chemical

225 Colonial Drive · South Pittsburg, TN 37380

Phone: 423-837-8800

[www.colonialchem.com](http://www.colonialchem.com)

*Innovative Specialty Surfactants*