

The Specialties Department of R.T. Vanderbilt Company, Inc. markets a range of products that are used extensively in the personal products, pharmaceutical, household and institutional, and agricultural industries. This brochure provides general information about the products we supply. Detailed technical information on our products is available on request.

### **SMECTITE CLAY SUSPENDING AGENTS/ EMULSION STABILIZER/THICKENER**

**VANATURAL**® Bentonite Clay, **VEEGUM**® Magnesium Aluminum Silicate and **VAN GEL**® Mineral Thickener are natural smectite clays that have been water-washed to enhance purity and performance. These clays are used as emulsion stabilizers, suspending agents and viscosity modifiers. They are supplied as insoluble fine granules that form a colloidal dispersion in water.

#### PHARMACEUTICAL & COSMETIC GRADES

<b>VEEGUM</b>	General purpose grade; for all types of personal care, pharmaceutical, veterinary and industrial products.
<b>VEEGUM F</b>	Micronized product; for tablets and pressed powders.
<b>VEEGUM HV</b>	Higher viscosity grade; functionality similar to VEEGUM.
<b>VEEGUM K</b>	High acid and electrolyte compatibility; widely used in oral pharmaceutical suspensions.
<b>VEEGUM HS</b>	Highest electrolyte stability, minimum acid demand.

#### COSMETIC GRADES

<b>VANATURAL</b>	Fast hydrating bentonite; emulsion and suspension stabilizer
<b>VEEGUM Ultra</b>	Quickest hydration; uniquely white, acidic dispersions; for skin-pH topicals.
<b>VEEGUM Pure</b>	Specially processed for the organic and natural personal products industry.
<b>VEEGUM Plus</b>	High thickening and suspending efficiency; easy to hydrate; white dispersions; for color cosmetics.
<b>VEEGUM D</b>	Fast hydration; emulsion and suspension stabilizer.
<b>VEEGUM PRO</b>	Modified for highest thickening and stabilizing efficiency; for emulsions, skin and hair cleansers.

#### INDUSTRIAL GRADES

<b>VAN GEL B</b>	General purpose grade; for most household, institutional and agricultural applications.
<b>VAN GEL C</b>	High alkali stability; for oven cleaners and other alkaline systems.
<b>VAN GEL ES</b>	Highest electrolyte stability; for cleaners and cleansers.
<b>VAN GEL O</b>	Stable in hypochlorite-containing formulas; for bleach cleaners.
<b>VEEGUM T</b>	High thickening efficiency and alkali stability; for oven cleaners and other alkaline systems.

### **XANTHAN GUM SUSPENDING AGENT/ EMULSION STABILIZER/THICKENER**

**VANZAN**® xanthan gum provides a unique combination of thickening and stabilizing efficiency over a broad spectrum of temperature, pH and electrolyte content.

#### PHARMACEUTICAL & COSMETIC GRADES

<b>VANZAN NF</b>	General purpose grade; for most personal care and pharmaceutical uses.
<b>VANZAN NF-F</b>	Fine-ground powder; for dry mix powders and tablets.
<b>VANZAN NF-C</b>	Clear solution grade; for applications in which transparency is required, i.e. gels and syrups.

#### INDUSTRIAL GRADES

<b>VANZAN</b>	General purpose grade; for most household, institutional and agricultural applications.
<b>VANZAN D</b>	Surface-treated for easy dispersion; rapid viscosity after pH adjustment without lumps or "fish-eyes".

### **DISPERSING AGENTS**

**DARVAN**® dispersing agent products are used to disperse finely divided solids and keep them dispersed in aqueous media.

#### COSMETIC GRADES

<b>DARVAN 1 Spray Dried</b>	Sodium salts of polymerized alkyl naphthalene sulfonic acid granules.
<b>DARVAN 7-N</b>	Sodium polymethacrylate solution.

#### AGRICULTURAL GRADES

<b>DARVAN 1 Spray Dried</b>	Sodium salts of polymerized alkyl naphthalene sulfonic acid granules.
<b>DARVAN 2</b>	Sodium lignosulfonate powder.
<b>DARVAN 670</b>	Sodium salts of polymerized alkyl naphthalene sulfonic acid powder.

#### INDUSTRIAL GRADES

<b>DARVAN 9</b>	Sodium salts of polymerized alkyl naphthalene sulfonic acid powder.
<b>DARVAN 7-NS</b>	Sodium polymethacrylate powder.
<b>DARVAN CN</b>	Ammonium polymethacrylate solution
<b>DARVAN 811</b>	Sodium polyacrylate solution.
<b>DARVAN 821A</b>	Ammonium polyacrylate solution.

### **OXIDATION/CORROSION INHIBITORS**

**NACAP**® Corrosion Inhibitor is an aqueous solution of sodium 2-mercapto-benzothiazole used to prevent the corrosion of copper and brass, particularly in antifreeze. It also prevents the corrosion of aluminum when this metal occurs in the same system with copper and its alloys.

**VANCHEM NATD**™ corrosion inhibitor is 30% aqueous disodium dimercaptothiadiazole; it is a corrosion inhibitor and metal deactivator for nonferrous metals in aqueous systems.

### **MINERAL FILLERS**

**CONTINENTAL**® Clay is an agricultural grade of sedimentary kaolin with an unusually fine particle size. Suspensions of **CONTINENTAL Clay** settle slowly and readily disperse when shaken. This clay is nonabrasive and non-alkaline and is compatible with commonly used agricultural wetting and dispersing agents.

**PEERLESS**® Clay kaolin is used in adhesives, wallboard, paint, paper, fertilizer, roofing granules, crayons and powdered soaps.

**PYRAX**® pyrophyllite is used as a dry diluent or carrier in agricultural and pesticide formulas. It is also used in water-based paints, drywall plasters, and as a filler in plastics.

	<u>Median Particle Size</u>	<u>Oil Absorption</u>
<b>PYRAX B</b>	10 µm	26
<b>PYRAX WA</b>	14 µm	24
<b>PYRAX ABB</b>	11 µm	24

The Specialties Department  
of  
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supplies quality products  
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HOUSEHOLD & INDUSTRIAL  
Rheology • Suspending • Stabilization  
Biocides • Mineral Fillers  
Corrosion Inhibitors

AGRI-SCIENCE  
Suspending • Stabilization  
Mineral Fillers

Please contact us for further information on the products described in this brochure. Samples and Technical Data Sheets are available on request.

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INDUSTRIAL MINERALS AND CHEMICALS

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