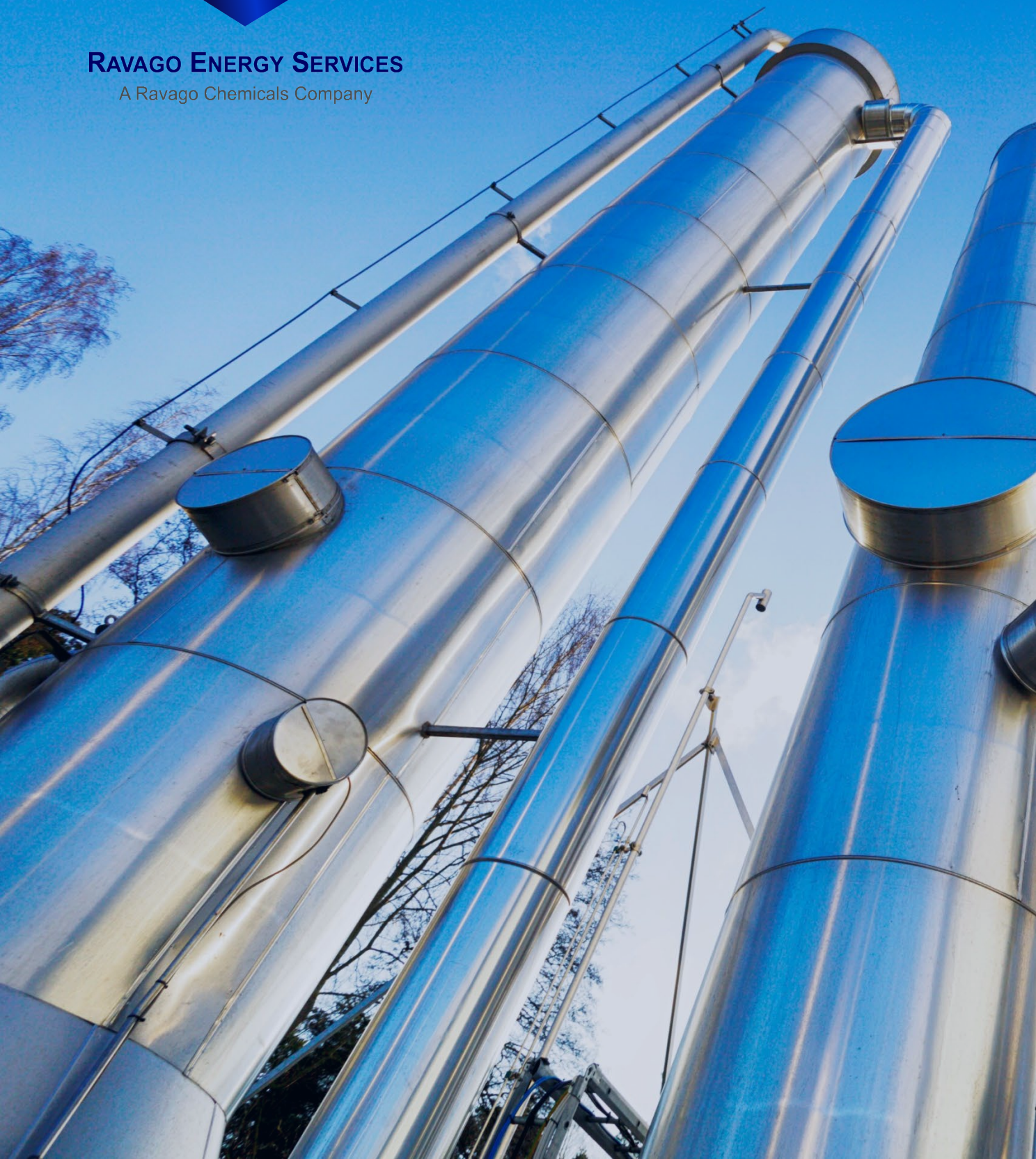




RAVAGO ENERGY SERVICES

A Ravago Chemicals Company



RAVAGO'S JOURNEY

When Raf Van Gorp founded Ravago in 1961, he was given the opportunity to buy the premises of a dynamite company in Arendonk, Belgium. This enabled him to work out the luminous idea he had: recycling production waste from the plastics producing petrochemical companies.

From there, the company grew into a successful service provider to the petrochemical industry as a distributor and reseller of plastic resins. Production and distribution of building products guaranteed a second revenue line in Europe. Distribution and trading of chemicals is the most recent activity of the Group.

Today, the Ravago Group is the number one service provider in the global market of plastics, rubber and chemicals.



MARKET LEADER

Our Ravago Energy Services (RES) business has taken the same vision and core values that has guided Ravago throughout its history to become one of the world's largest polymer and chemical distributors. With approximately two decades of industry experience behind it, Ravago Energy Services (RES) is built upon long-standing industry relationships and the reputation of providing value-added, technical solutions to the issues and challenges our customers face in the Oil and Gas industry. Our customer base is focused on the Exploration & Production (E&P) Sector and is primarily involved in end applications such as drilling fluids, cementing additives and slurries, stimulation and fracking, and production and completion chemicals. We partner with service companies who work with the operators of oil and natural gas wells, i.e., BP and Shell, and are instrumental in all aspects of extracting these valuable resources from the wellhead

Ravago Chemicals North America

We are a family company and place a high value on our long-standing relationships with our suppliers, customers and our colleagues.

We rely on the technical and industry expertise of our team as we strive to be innovative in our market driven approach.

Our Vision

To be the Leader in Specialty Chemical Distribution in North America as defined by Supplier Trust, Customer Loyalty, and Employee Engagement.

Core Strengths

- Global Business, Vision & Support
- Regional Expertise with a National Footprint
- Highly Knowledgeable Technical Sales Team Providing Support to your R&D
- Entrepreneurial Spirit Driven to Quickly Provide Unique Solutions Selling
- Backed by Ravago's Logistics Strength in Warehousing & Transportation
- Dedicated to enhanced Customer Loyalty.



Ravago Chemicals is an active and certified member of NACD (National Association of Chemical Distributors) Responsible Distribution Process.



E & P CHEMICALS



Exploration & Production

Ravago Chemicals is a leading specialty chemical distributor with a broad portfolio of high-performance specialty chemicals and surfactants focused on the Exploration & Production Sector primarily involved in end applications such as drilling fluids, cementing additives and slurries, stimulation and fracking, and production and completion chemicals



BIOCIDES

- Biocide Enhancers
- Glutaraldehyde

CLAY STABILIZERS

- Benzyltrimethylammonium Chloride
- Guanidine Copolymers
- Specialty Surfactants

CORROSION CONTROL

- 2-Mercaptoethanol
- Alky Polyglucoside
- Amine Oxide
- Ester Quat
- Imidazolines/Amides
- Modified Amino Salt
- Phosphates
- Quaternary Amines
- Sorbitan Mono-oleate
- Specialty Surfactants

FILLERS/PARTICLES

- Carbon Black
- Cenospheres
- Ceramic Microspheres
- Fumed Silica
- Glass Bubbles
- Recycled Glass Micropowders
- Synthetic Cement Retarders

FLUID LOSS

- Acrylic and Styrenated Acrylic Latex
- Non-Anionic cellulose
- Anionic cellulose
- Styrene Butadiene Copolymer Latex and Powder

▪ **PARAFFIN CONTROL**

- Enzyme Additives
- Modified Polycarboxylate
- Polyvinylester Blends
- Polyacrylate, EVA

▪ **POLYMERS**

- CMC (High Viscosity) Carboxymethyl Cellulose
- CMC (Low Viscosity) Carboxymethyl Cellulose
- CMC Modified (Ultra High Viscosity) Cellulose
- Epoxy Resin
- HEC Hydroxyethyl Cellulose
- Latex Resins- Acrylic, Styrenated Acrylic, SBR
- PAC (High Viscosity) Poly-Anionic Cellulose
- PAC (Low Viscosity) Poly-Anionic Cellulose
- PVOH Polyvinyl Alcohol

PROPPANT/PROPPANT COATING ADDITIVES

- Acrylic Latex
- Ceramic Microspheres
- Epoxy Curatives
- Epoxy Resins
- Polyurethane Dispersions

SPECIALTY PRODUCTS

- Acids & Esters
- Calcium and Sodium Lignosulfonate
- Castor Oil
- Chelants
- Citric Acid
- Cleaners
- Crosslinkers
- Defoamers
- Demulsifiers
- Dispersants
- Emulsifiers

- Enzymes for EOR
- Fluoro-Carbons
- Foamers
- Formulated Amines- BHMT, DACH, HMD,
- Friction reducers
- H2S Scavengers
- Hydrate Inhibitors- KHI and AA
- Naphthalene Sulfonates
- Nitriles
- PHPA
- Polyacylamide (PAM)
- Scale Inhibitors
- Silicone Fluids
- Tartaric Acid
- Water Treatment
- Wax Emulsions

SURFACTANTS

- Amphoterics
- Betaines
- Amine Oxides
- Sultaines
- Anionics
- Sulfonates
- Sulfates
- Phosphates
- Cationics
- Quaternary Amines
- Imidazolines/Amides
- Non-Ionics
- Amides
- Blends
- Polysorbates
- Ethoxylates
- EO/PO, PEG's

- Suspension/Rheology
- Acrylic Latex
- Alkali Swellable Polymers
- Amide Derivatives
- Dimer Trimer Fatty Acids
- Diutan Gum
- Fumed Silica
- Gellan Gum
- Lecithin
- Synthetic Suspension Additives
- Welan Gum
- Xanthan Gum
- Cement Slag
- Silica flour

- Please Inquire About Products Not Listed Above



REFINERY CHEMICALS



Refinery Chemicals

Oil refineries face increasing pressures as supply and demand fluctuate and regulations become more stringent. Explore Ravago Chemicals comprehensive portfolio of hydrate inhibitors, corrosion inhibitors, and other oil refinery chemicals.



REFINERY CHEMICALS

RAVAGO ENERGY SERVICES

- Acetone
- Adipic Acid
- Aluminum Sulfate
- Ammonia Anhydrous
- Ammonium Dimolybdate
- Ammonium Hydroxide
- Ammonium Metatungstate
- Ammonium Nitrate
- Ammonium Polysulfide
- Anionic Resins for Demineralization
- Aromatic 100
- Barite
- Barium Sulfate
- Bentonite Clay
- BHT (Butylated Hydroxytoluene)
- Boric Acid
- Calcium Carbonate
- Calcium Polysulfide
- Caprylic Acid
- Carbon- Activated and Reactivated
- Caustic Soda Beads
- Citric Acid
- Cobalt Catalyst
- Dipropylene Glycol
- D'Limonene
- Filtration Media Sand
- Ferric Chloride
- Ferrous Sulfate Monohydrate
- Filtration Media Gravel
- Gluconic Acid
- Heptane
- Hexane
- Hydrated Lime
- Hydrogen Peroxide
- Ionic Polyacrylates
- K.D. Coarse Sodium Chloride
- Lime Slurry
- Lithium Hydroxide
- Lubricity Additives
- Methanol

- Methyl Salicylate
- Mineral Spirits
- Odorless Mineral Spirits
- Oleic Acid
- Oxalic Acid
- Perlite
- Phosphoric Acid
- Polyalkaline Glycol
- Polyoxyethylene Sorbitan Trioleate
- Polyvinyl Alcohols
- Potassium Carbonate
- Potassium Cocoate
- Potassium Hydroxide
- Sodium Chloride
- Propylene Glycol
- Soda Ash
- Sodium Bicarbonate
- Sodium Hydrosulfide
- Sodium Hydroxide
- Sodium Hypochlorite
- Sodium Molybdate
- Sodium Polysulfide
- Sodium Thiosulfate
- Stearic Acid
- Sulfolane
- Sulfur, Arrow Row Bricks
- Sulfuric Acid
- Triethanolamine
- Tripropylene Glycol
- Trisodium Phosphate
- Urea 40% Solution
- Yuba Quartz 1-1/2"



WATER TREATMENT CHEMICALS



Water Treatment Solutions

Whether hydraulic fracturing or steam flooding, Ravago Chemicals portfolio of water treatment solutions has you covered.



WATER TREATMENT CHEMICALS

RAVAGO ENERGY SERVICES

- Aluminum Chlorhydrate
- Aluminum Sulfate
- Ammonium Sulfate
- Boric Acid
- Calcium Carbonate
- Calcium Carbonate
- Calcium Hypochlorite
- Calcium Polysulfide
- Calcium Thiosulfate
- Carbon- Activated and Reactivated
- Caustic Soda Beads
- Citric Acid
- Clay
- Cyclohexamine
- Diatomaceous Earth
- Ferric Chloride
- Ferric Sulfate
- Filtration Media Gravel
- Fumed Silica
- Guar Gum
- Gum Rosin Brazilian Flake
- Hydrated Lime
- Hydrochloric Acid
- Hydrogen Peroxide
- Ion Exchange Resins
- Methanol
- Microspersion Surfactants
- Perlite
- Phosphoric Acid
- Phosphoric Acid and Zinc Chloride Blends
- Potassium Carbonate
- Potassium Chloride
- Potassium Hydroxide
- Potassium Permanganate
- Potassium Sorbate
- Soda Ash
- Sodium Aluminate
- Sodium Benzoate
- Sodium Bicarbonate

- Sodium Bisulfite
- Sodium Formaldehyde Bisulfite
- Sodium Hexametaphosphate
- Sodium Hydroxide
- Sodium Hypochlorite
- Sodium Lignosulfonate
- Sodium Nitrite
- Sodium Permanganate
- Sodium Silicate
- STEROX Cleaning Powders
- Sulfonic Acid
- Sulfuric Acid
- Surfactants
- Trisodium Phosphate
- Zinc Orthophosphate



Ravago Chemicals Global Coverage
Global Market Leader with Local Presence



Ravago Chemicals
Energy Services

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