

Plant Profile Summary



- Explosion Proof Plant
- Three 3000 gal. 316-SS reactors
- Distillation packed column, twenty plates equivalent
- Vacuum to 2 torr pressure
- Temperature to 650°F max
- Three 6,000 gal. heated mixing tanks
- Condensation Reactions
- Imidazolines
- Mono Amides- Diamides- Polyamides
- Mono Esters- Diesters- Transesters- Polyesters
- Quaternizations
- Specific Alkylations
- Products for textiles, paper, leather, and personal care

History of Omega

October 15, 1973: Dr. Constantin Ghionis and Mrs. Doris Ghionis incorporated Omega Chemicals, Inc. in Greenville, SC. Dr. Ghionis established major lines of business in chemicals for the bleaching of cotton, scouring of all fabric types, and special softening needs such as napping of automotive fabrics.

June 1975: Dr. and Mrs. Ghionis bought the property on US 29 in Cowpens, SC to build the production facilities of Omega Chemicals, Inc. It was connected to the Cowpens industrial wastewater treatment plant while the building was still under construction in November 1975.

1976: The pre-stressed concrete manufacturing building, 60x100x28', and a 25x25x12' auxiliary building were operational.

1980: The first 3,000 gallon 316SS reactor was installed. The objective of the corporation was to produce, by synthesis, chemicals to be used as raw materials by other chemicals companies.

1985: Mr. Tasso Ghionis joined Omega Chemicals, Inc. after earning an M.S. in Chemical Engineering.

1987: Mrs. Doris Ghionis was appointed President of Omega Chemicals, Inc.

1990: The on-site waste water treatment plant and tank farm were built.

1994: The third 3,000 gallon 316SS reactor was installed with a packed column equivalent to 20 theoretical plates.

2000: As customers left the dwindling U.S. textile chemical industry, Omega Chemicals, Inc. followed them as a valued supplier into other chemical industries and exports.

2014: Mr. Constantine Ghionis III joined Omega Chemicals, Inc. after earning a B.S. in Business. Mr. Tasso Ghionis was appointed CEO.

Omega continues to strive to meet the needs of the chemicals market.



OMEGA CHEMICALS, INC.®

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Cowpens, SC, 29330



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*Paper & Textile Softeners
Manufacturing Program*

*What our customers know
about Omega Chemicals, Inc.*

- Knowledgeable in chemistries for textile, paper, leather, personal care, and more
- Custom manufactures chemicals to meet special specifications
- Sources raw materials securely, directly purchasing from manufacturers or from their authorized distributors
- Operates professionally according to ISO compliant quality, safety, health, sustainability and environmental standards
- Practices confidentiality
- Is capable of 13 million pounds annual production
- Manages financially according to CPA standards
- Maintains long relationships with customers and suppliers over decades

Product Groups

- Amides
- Cyanoethylated Amides
- Propoxylated Amides
- Esters, Polyesters
- Ester Quaternaries
- Imidazolines
- Imidazoline Quaternaries
- Polyamides
- Polyamide Quaternaries

Raw Materials

- Acrylonitrile
- Alkanolamines
- Aminoethylethanolamine
- Diethyl Sulfate
- Diethylenetriamine
- Fatty Acids
- Polyamines
- Polyethylene Glycols
- Propylene Oxide
- Terephthalic Acid



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