



**KING INDUSTRIES  
JOB DESCRIPTION  
Senior Research Chemist**

**Location- Norwalk, CT**

King Industries, Inc. is actively seeking to hire a Senior Research Chemist within our Coatings Additive Division. Ideal candidates should have a Ph.D. in Chemistry along with 10 years of experience in the coatings industry. Responsibilities will include, researching, planning, and running experiments towards identified Coating New Product Developments, working with the marketing/sales team to develop concepts for new products, interacting with production engineers to scale up the new products, among other responsibilities.

**1. Skills Required:**

- Must have a strong background in organic synthesis.
- Must be able to work independently
- Must possess strong organizational skills and be able to manage multiple projects simultaneously.
- **Must be able to effectively communicate, and interact with process development and production engineers, customers, technical service, and sales & marketing.**
- Must be a self-starter, driven by an internal desire to succeed with a strong sense of urgency.
- **Must be an effective leader, able to drive projects from conception to commercialization.**
- Must have excellent written and verbal communication skills.
- **Must be creative and resourceful.**
- Must be capable of becoming a recognized expert in a chosen technical field of research.
- **Must be able to carry out projects from conception to pilot plant production stage.**
- Knowledge of various online chemical literature and patent database software and search techniques highly desirable. Strong literature searching skills.
- Must be able to research new projects by accessing the current technical literature and develop and write new project proposals.
- Must be able to publish original research in leading scientific journals, and to present such information at technical conferences and American Chemical Society National Meetings.
- Must be familiar with ISO-9001-2015 “Design Control” policies and guidelines.

**2. Education and Experience Requirements:**

- Ph.D. in Organic or Polymer Chemistry.
- Required experience with coating additives for industrial coatings.

- Knowledge of the current state of the art resin technologies.
- Familiarity with current Windows-based software for spreadsheet manipulation, data handling and graphics composition.

### 3. **Duties and Responsibilities:**

- Responsible for researching, planning, and running experiments towards identified Coating New Product Developments.
- Work with Marketing/Sales to develop concepts for new products.
- Conduct literature and patent searches
- Write product briefs
- Write patent disclosures on documented novel research findings and oversee all necessary communications/written responses to patent attorneys during the prosecution and allowance of patent applications.
- Work with current and potential customers to assess market and technical requirements for new products in specific applications.
- Write reports documenting progress of assigned research projects as needed.
- Give presentations to customers to promote King Industries technology and products as requested.
- Give periodic presentations to upper management on the progress of assigned research projects.
- Prepare product development plans with specific approaches to meet objectives.
- Understand possible global regulatory compliance issues with targets and, where feasible, design targets that may be compliant with global inventories.
- Develop and implement detailed research plans for each coating additive research project.
- Conduct research leading to new products; with limited supervision.
- Perform laboratory synthetic reactions and spectroscopic identification of materials.
- Work with technical service to conduct preliminary applications and performance testing in order to establish initial product performance in industry recognized systems and test methods
- Prepare manufacturing process description/transmittals for new products. Interface and assist Pilot plant engineers /production engineers in the scale-up process of new products.
- Monitor the pilot plant production of new products.
- Interact with marketing and technical service personnel to promote new products.
- Write technical reports, new product literature (technical data sheets, coating formulations), record of invention and publications.
- Provide technical assistance to customers.
- Maintain knowledge of new coatings raw material development regarding new technologies, customer's needs, technology trend and competitive products.
- Provide technical presentations at professional meetings.
- Present summaries of research progress at internal meetings (R&D, sales, marketing).
- Write patent invention reports on documented novel research findings.
- Prepare and give technical presentations to customers and at professional society conferences, as needed.

- Advance the technical reputation of the company through the writing and submission of research papers to technical journals.
- Provide technical assistance to other departments (sales, tech service, and manufacturing) as required.
- Assist in regulatory compliance process for new coating additive products.
- Participate in company wide effort to promote quality assurance in compliance with ISO 9001-2015.

**To apply, please submit your cover letter and resume to [vcrichardson@kingindustries.com](mailto:vcrichardson@kingindustries.com).**