



**Job Title: Material Development Chemist**

**Location: Ann Arbor, MI**

The successful applicant will have a Masters or PhD degree in chemistry or materials science and experience working in a research and development environment. Consistent delivery of successful development outcomes is more important than duration of work experience for this role. Must be amenable to the unique pace, challenges, and opportunities of a 'startup' company and culture.

The Material Development Chemist will be responsible for the following:

- Develop resins to meet material performance and processing requirements
- Develop quantitative structure-property-chemistry mechanisms for controlling resin performance
- Resolve material, processing and quality problems of ingredients and finished materials
- Identify and engage external expertise and knowledge resources
- Create and implement standardized methods for characterizing resin neat and in-application
- Run/Order and analyze data generated by quantitative analytical testing, including the following: DSC/TGA, FTIR and Raman spectroscopy, Si29/C13 NMR, x-ray fluorescence, x-ray diffraction
- Document and communicate knowledge to internal/external contacts, customers, and partners
- Maintain awareness of potential competitive IP and identify Covaron IP expansion opportunities
- Maintain safe, clean, and organized working environment

Relevant knowledge and experience may include the following:

- Inorganic synthesis, with focus on reactive salts, oxides and structural minerals
- Organic reactivity and basic synthesis, with focus on condensation polymers, surfactants, and functional additives
- Organically modified geopolymer and/or aluminosilicate polymer chemistry
- Resin, composite and/or coating materials
- Production process control and improvement techniques (Lean, Six Sigma, SPC, etc.)
- Familiarity with industry best practices/standards (i.e. ISO, GMP, etc.)
- Develop and execute work plans with internal peers, subordinates, and external interdisciplinary partners

In addition, the following general attributes are required:

- Passionate commitment to the power of chemistry to change the world
- Ability to communicate and work effectively with other team members
- Working to customer requirements and timelines
- Interest and aptitude in all aspects of materials and chemistry
- Excellent PC skills, including Microsoft office products

***About Covaron***

Covaron Advanced Materials is an award winning startup advanced materials company specializing in controlling organically modified aluminosilicates to solve the real world problems of our customers and the markets we serve. We are expanding our development group with new team members that are excited and engaged in the collective purpose of making the world a better place through the power of materials.

***How to Apply***

Send your cover letter and resume to [hr@covaron.com](mailto:hr@covaron.com).