

Staffing Solutions

enterprises

Chemist

Long-term temporary assignment

Compensation: \$25.00/hr

Location: Brecksville, Ohio

Hours: 8am-5pm M-F

Position Responsibilities:

- Synthesize and purify monomers bearing a range of functional groups
- Polymerize a variety of monomers using different polymerization reactions, such as free radical, condensation, ionic, and/or transition metal catalysis
- Generate kinetic profiles of polymerization reactions for the determination of monomer reactivity ratios and development of metered polymerization reaction schemes
- Develop polymer process/purification techniques to provide polycyclic olefins with physical/chemical property meeting criteria for electronic applications
- Work with process/engineer staff to scale up monomer and polymer products
- Work with measurement sciences staff to characterize monomers and polymeric materials
- Keep an up to-date laboratory notebook
- Submit or contribute to written and oral reports on a periodic basis to summarize research activities

Qualifications:

- Bachelors Degree in Polymer Chemistry with aptitude in organic synthesis required; Masters Degree preferred
- 4+ years experience desired
- Self-starter with the ability to work independently
- Strong written and oral communication skills
- Knowledge of the proper methods for conducting scientific experiments and recording observations and analyzing outcomes
- Able to search scientific information and identify pertinent references necessary for fulfillment of job requirements
- Good mechanical aptitude required for setting-up, operating, trouble-shooting, and maintaining glassware/equipment
- Participate as a team member (R&D, manufacturing, and product development) in a fast-paced, project-oriented environment
- Knowledge and experience in organic small molecule synthesis and purification

- Experience in air-sensitive solution polymerization (3L scale) and polymer isolation
- Ability to work with air-sensitive and pyrophoric materials using syringe, Schlenk line, and dry box techniques
- Experience in transferring research laboratory information to aid scale-up of reactions to pilot plant
- Knowledgeable in the characterization of chemicals and materials by capillary GC, DSC, DMA, TGA, GPC, HPLC, IR and NMR spectroscopies
- Hands-on experience in photopolymer development, formulation, and end-use application
- Must be willing and able to wear and utilize personal protective clothing, i.e., safety glasses with shields, safety shoes, hand protection, uniform, and equipment, including a full or partial facial mask with respirator, when necessary
- Visual ability required for observing tests and processes in order to record results
- Manual dexterity required to use syringes, and sophisticated glassware and to operate instruments, repair machinery, as necessary, and exchange parts
- Must be physically able to input data into a personal computer
- Must be able to lift 20 lbs up to 4 times a day
- Computer skills including: Word, Excel, ChemDraw, PowerPoint, Internet, Outlook and appropriate search engines such as SciFinder

To apply, please submit resumes to recruiter1@staffsol.com.

Thank you!

For more information on Staffing Solutions Enterprises, please feel free to visit staffingsolutionsent.com.