

Isolatek International, the industry leader in the marketing and manufacturing of passive fire protection materials for the construction industry has an immediate opening for a full time Senior Research Scientist in our Research & Development Department at its Cafco Industries, Inc. division in Scarborough, Ontario - Canada.

Business: Cafco Industries Inc.

Position: Senior Research Scientist

Salary: \$174,410 annually

Location: Scarborough, Ontario

Terms of Employment: Permanent/Full Time

Hours of work: 38 hours per week

Benefits: Eligible for discretionary bonuses and increases in salary. Eligible for Medical, Dental, Life and Disability Insurance

Contact: HR@Isolatek.com

Duties:

- Establish and maintain technology leadership plan;
- Develop new products;
- Improve existing technology;
- Develop new techniques and procedures to achieve objectives;
- Reduce cost and risk by managing the technical challenges of materials and sources;
- Reduce cost and risk by managing the technical challenges of the process;
- Assist in development of raw material, finished product, purchased product, testing and application specifications and procedures;
- Manage the technical review of product literature;
- Lead new product development projects through 5 Stage Gate Review process
- Maintain compliance with ISO 9001/2008 requirements for "Design and Development";
- Provide technical support for the company's product Safety Data Sheets;
- Maintain organized, accurate and retrievable files for all section work
- Report and communicate the results of section work to stakeholders within the company;
- Provide annual plan and budget for area of responsibility;
- Maintain a suitable laboratory and the accuracy of equipment;
- Maintain a clean and organized work environment;
- Comply with corporate health and safety practices;
- Supervise, train and appraise the performance of laboratory technicians;
- Collaborate globally with licensing and toll manufactories to commercialize products with superior performance
- Improve furnace fire testing procedures for consistency and develop new test methods as needed through working with testing engineer.
- Explore new technology, drive innovation to maintain the company's leading position in fire-proof technology
- Provide timely and accurate solutions to complex problems to support manufacturing and scale up

- Develop and conduct programs of analysis to ensure quality control of raw materials, chemical intermediates or final products
- Conduct research to develop new chemical formulations and processes and devise new technical applications of industrial chemicals
- Conduct research to discover, develop, refine and evaluate new products such as those used in fire proofing and industrial protective applications
- Conduct fundamental and applied research into the properties of chemical compounds and the mechanisms of chemical reactions
- Investigate chemical aspects of the mechanisms of intumescent, insulation, anti-corrosion, sound and heat proof.
- Participate in interdisciplinary research and development projects working with chemical engineers, or other professionals
- Act as technical consultant in fire proofing field of expertise
- Participate in the commercialization of new products
- May supervise other chemists and chemical technicians and technologists.
- Perform other duties as assigned, ex. supporting continues improvement process

Requirements:

- 5 years of experience managing technical projects related to product development with planning and budget responsibilities;
- Experience working as chemist in a chemical manufacturing or R&D organization;
- Bachelor's degree in Chemistry, biochemistry or a related discipline is required;
- Must have project management experience;
- Must be highly organized and be able to manage multiple, complicated, projects simultaneously;
- Must communicate effectively in verbal, written and presentation form to diverse, technical and non-technical audiences;
- Must be able to logically assess technical issues, determine critical elements of issues and evaluate solutions;
- Must be self-motivated, curious and willing to work "hands on" with efficient and effective style;
- Must be a strong leader with the ability to work under pressure; and
- Willing to travel internationally.