

## ***The future is what you make it.***

When you join Honeywell, you become a member of our global team of thinkers, innovators, dreamers, and doers who make the things that make the future. That means changing the way we fly, fueling jets in an eco-friendly way, keeping buildings smart and safe, and even making it possible to breathe on Mars. Working at Honeywell isn't just about developing cool things. That's why all our employees enjoy access to dynamic career opportunities across different fields and industries.

## **Are you ready to help us make the future?**

### **Senior Advanced R&D Engineer Scientist - Flammability**

Advanced Materials is a global supplier of fluorine products, fine chemicals, additives, metals, films and fibers for products including pharmaceuticals, refrigeration, semiconductors and military protection. Advanced Materials is making the world safer, cleaner and enabling the modernization of a growing middle class by enhancing our customer offerings through a differentiated portfolio of chemistries, materials, value-added solutions and superior customer service. Our mission is to attract, retain and develop diverse and highly motivated, entrepreneurial employees striving to flawlessly deliver superior value to our customers every day.

Join Honeywell as a Lead Sr Advanced R&D Engineer/Scientist who will lead development of the novel materials and applications for Honeywell Advanced Materials Division. You will be part of the Fluorinated Products Discovery & Innovation team that identifies and characterizes the flammability of fluids to develop new and unique solutions to current and emerging material needs in the areas of data storage and communication, advanced energy storage, automotive and stationary refrigeration, personal care, building and construction.

### **Key Responsibilities**

- Lead a team of scientists and engineers to screen and characterize flammability of emerging and current materials.
- Develop, implement, and maintain efficient testing methodologies required for validation of new applications, design of new products/processes, and plant/customer/regulatory support.
- Identify, coordinate, and work with external research, academic and new venture partners to prioritize and accelerate learning of application and material performance requirements.
- Translate voice of the customer and customer unmet needs to material performance requirements, prioritize and timely drive on-the-critical-path validations.
- Work with internal and external customers to meet needs in a fast-paced environment.
- Work on multiple projects across multiple areas simultaneously to ensure timely deliverables are met.
- Follow all related safety and environmental rules and regulations.

### **You must have**

- Advanced Degree in Chemical or Mechanical Engineering, Physical Chemistry, or Chemistry.
- 10+ years of hands-on experience in advanced materials or specialty chemicals industrial research and/or new product development (experience in flammability/combustion is desirable).

### **We value**

- Advanced degree with an emphasis in fundamentals of flammability, combustion, deflagration, or equivalent.

- Familiarity and participation with industry and regulatory standards (e.g. ASHRAE, ISO817, NFPA, OSHA).
- Expertise in lab scale experimentation, modeling, and relevant theoretical concepts.
- Cross-functional understanding of the impact and delineation of flammability on products, processes, and customers.
- Familiarity with industry recognized property models and tools (e.g. REFPROP, Aspen, UniSim, DIPPR).
- Experience in a fast-paced research environment.
- Technical curiosity and passion for R&D.
- Desire and abilities to identify, develop, and improve new technical concepts and products.
- External orientation and desire to accurately understand technology trends, customer unmet needs, and working with external partners.
- Proficient in leading technical projects involving scientists, engineers, application development and marketing.
- Excellent interpersonal and communication skills - written and verbal.
- Reliable and trustworthy with the highest ethical standards and integrity.