

## **RESEARCH & DEVELOPMENT TECHNICIAN**

**CAVU Group**

**Dayton, OH**

### **SUMMARY**

CAVU Group, a leader in the temperature solutions industry, is looking for a sharp, motivated, tenacious, and meticulous **R&D Technician** to assist in the development of new materials and processes for scale-up into the company's products. The R&D Technician will assist in organizing projects, develop formulations for commercialization, optimize production processes and formulations. The technician will conduct tests on thermal solutions and/or their components, which includes materials R&D and thermal property characterizations. This person should enjoy working in a smaller, fast-paced, entrepreneurial environment.

### **YOUR PRIMARY RESPONSIBILITIES:**

- Develop and optimize formulations and processes such as microencapsulation, phase change materials, UV cure shape stabilized materials, melt extrusion compounded materials and other thermal management materials.
- Formulate new materials using various mixing, blending and/or polymerization techniques.
- Product and production support for external and internal customers on existing products.
- Identify, procure, and evaluate raw materials from manufacturers and/or suppliers.
- Utilize, monitor, and maintain laboratory equipment, and conduct minor trouble shooting.
- Manage laboratory documentation (e.g. TDS, SDS, CoA, CoC).
- Maintain a clean and safe laboratory environment.
- Monitor, update, and replenish chemical inventory and laboratory supplies.
- Generate reports and presentations that provide clear, concise results and conclusions.
- Manages multiple project tasks under the direction of the company business/technical staff.

### **OTHER DUTIES**

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities, and activities may change at any time with or without notice.

### **DESIRED SKILLS AND QUALIFICATIONS:**

- Associate or Bachelor's degree in chemistry or similar discipline.
- Basic wet chemistry experience; must have superior hands-on skills.
- Self-starter with industry experience preferred in a laboratory / R&D setting.
- Experience with analytical balances, GC, DSC, UV-Vis, FTIR, TGA, pH, viscosity, density, moisture, and particle size analysis preferred.
- Knowledge of laboratory safety best practices, including SDS cataloging, material storage, material disposal, inventory, and maintenance of related equipment.
- Experience with microscopic and/or general laboratory failure analysis.
- Effective written and oral communication skills, keen attention to detail.
- Organized, ability to prioritize job duties and remain proactive with a fluctuating workload.

### **WORKING CONDITIONS:**

Working conditions are normal for a laboratory environment with varying temperatures depending on the external climate and specific work cell. While performing the duties of this job, the employee is occasionally required to stand; walk; sit; use hands to finger, handle, or feel objects, tools or controls; reach with hands and arms; balance; stoop; kneel; climb; crouch or crawl; talk or hear.

The employee must occasionally lift and/or move up to 30 pounds. Working in this environment may require the use of safety equipment such as eye safety glasses. Some mandatory overtime may be required.

**EQUAL EMPLOYMENT OPPORTUNITY**

CAVU Group provides equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.