



## Chemical Operator

---

Reports to: **Shift Supervisor/Site Supervisor**

### Qualifications

- Must pass pre-employment screen, including drug screen, and background check.
- Must have a valid driver's license and be able to drive forklift.
- Must have high school diploma or equivalent (GED).
- Experience in chemical manufacturing facility or other industrial plant experience is preferred.
- Must be willing to work 12 hour rotating shift including night shift.
- Must be fully trained in the Fluorine generation process, Iodine Penta-Fluoride, Antimony Penta-Fluoride and Carbon Mono fluoride process and related emergency procedures.
- Hazwoper 40 Hr. Training.

### Physical Requirements

Position has a lifting requirement of up to 50 lbs. from the knees and waist. Must have adequate eye sight in order to inspect and describe reactions. The ability to wear a respirator while performing certain job functions is essential. Ascend and Descend ladders and navigate mezzanine safety.

### Primary Responsibilities / Duties

- Controls equipment systems that process chemical substances into specified products.
- Operate a variety of process equipment, including but not limited to; reaction systems, filters, storage tanks, reactors, pumps, process logic control systems (PLC), chillers, compressors, and pressure vessels in compliance with prescribed operating procedures.
- Move control settings to make necessary adjustments on equipment units affecting speeds of chemical reactions, quality, or yields as directed by supervisor and written procedures.
- Monitor and record reactions, noting changes in chemical and physical properties and compositional changes of substances.
- Control or operate chemical processes or systems of machines, using panelboards, control boards, or semi-automatic equipment.
- Record operating data, such as process conditions, test results, or instrument readings.
- Confer with technical and supervisory personnel to report or resolve conditions affecting safety, efficiency, or product quality.
- Draw samples of products and conduct quality control tests to monitor processing and to ensure that standards are met.
- Regulate or shut down equipment during emergency situations, as directed by supervisory personnel.

- Start pumps to wash and rinse reactor vessels, to exhaust gases or vapors, to regulate the flow of raw materials, steam, air, or nitrogen to reactors, or to add products to converter or blending vessels.
- Load and unload raw materials, intermediates, and finished products into and out of process equipment.
- Patrol work areas to ensure that solutions in tanks or troughs are not in danger of overflowing.
- Notify maintenance, stationary-engineering or other auxiliary personnel to correct equipment malfunctions or to adjust power, steam, water, or air supplies.
- Inspect and maintain operating units, such as scrubbers, storage tanks, pressure vessels, centrifuges, or driers to ensure that all are functioning and to maintain maximum efficiency.
- Turn valves to regulate flow of products or byproducts through agitator tanks, storage tanks, or pressure vessels and reactors.
- Calculate material requirements or yields according to formulas.
- Assists in the development of Standard Operating Procedures (SOP), processing, and quality enhancements.
- Provide recommendations for Environmental, Health, Safety, Security and Quality (EHSSQ) improvements.
- Do not disclose Advance Research Chemicals, Inc. (ARC) confidential or proprietary information.
- Maintains work area and equipment in a clean and orderly condition.
- Attend and take part in Hazmat Team drills and respond to emergencies as required.
- Perform preventive maintenance on process equipment.
- Perform Daily Forklift Inspection prior to operation.
- Performs other duties and responsibilities as directed by management.

### **Skills & Abilities Required**

- Mechanical aptitude
- Ability to perform basic mathematical calculations.
- Ability to read and interpret routine procedures.
- Ability to drive forklift.
- Ability to use an impact wrench and other similar tools
- Ability to wear safety equipment including respirators, safety shoes, goggles, gloves and fully encapsulating protective suit.

Email resume to [shannon.shafer@fluoridearc.com](mailto:shannon.shafer@fluoridearc.com)

Advance Research Chemicals is an Equal Opportunity Employer