JOB DESCRIPTION

JOB IDENTIFICATION:

TITLE: R&D Engineer

BUSINESS: Catalyst Technologies / Specialty Catalysts

LOCATION: Columbia, MD

Job Responsibilities:

The primary function of this position is to support and enhance Grace's technical leadership for the Specialty Catalysts business. This position is responsible for:

1) Providing scientific and engineering leadership for the Bench Scale Reactor (BSR) Lab, ensuring that Grace's test methods meet customer needs and continually improve;

2) Developing new R&D tools for catalyst evaluation; perform evaluation of external R&D tools to enhance BSR Lab capabilities

3) Providing engineering support for process control software and systems for BSR Lab.

4) Identifying and implementing opportunities to improve equipment, software, procedures and automation to enhance Bench Scale Reactor (BSR) Lab Efficiency and capabilities

5) Conducting catalyst and polymer testing, executing DOE and reporting results to internal and external customers;

6) Managing information and knowledge developed in the lab; Enhancing SC’s technical reputation by publishing in scientific journals and presenting in scientific conferences.

7) Performing BSR capability studies to provide recommendations for product specifications

8) Participate in multifunctional teams focusing on new product commercialization and new product development projects

9) Communicating effectively to sales/marketing, research/development, and manufacturing personnel; supports sales and marketing by providing timely data and technical information;

10) Providing leadership for safety programs and product stewardship

Required Skills:

- Ph.D. in Chemical Engineering, B.S. and M. S. Chemical Engineers with relevant experience will also be considered.
- Good oral and written communication skills
- High initiative and ability to learn. Willingness to do hands-on lab work, strong mechanical aptitude and troubleshooting.
- Strong knowledge of the fundamentals of Chemistry and Chemical Engineering
- Understanding of Process Control, PLC Programming and Automation preferred
- Ability to work on cross-functional teams
- Ability to deal face-to-face with customers
- Ability to drive projects to completion, on budget and on time
- Good administrative skills (handling of a large number of simultaneous assignments and meeting deadlines)
- Strong project management skills
- Plant experience and experience with organometallic compounds a plus
- Six Sigma Green Belt, Black Belt preferred