

technical bulletin

Meeting the Challenges of Moore's Law

SAFC Hitech is a world leader in developing, characterizing and supplying high purity source materials. When your process calls for new and improved precursors, our expertise will offer the best solutions to meet performance requirements with minimum risk.



Your Deposition Process Begins with our Chemistry.

Offering Smart Chemistry for CVD/ALD:

- SiGe
- Barriers and Metals
- Full range of High-K Dielectric materials
- Chemical Specialist for Silicon Precursors



Research and Development Capability

- Dedicated technical staff covering all aspects of precursor preparation, analysis, specification, packaging and delivery
- State-of-the-art, in-house chemical analysis equipment
- Material physical transport and initial growth performance assessment capability for precursor screening



- Full control from precursor design to product characterization and evaluation
- Full control of small scale synthesis to large quantity manufacturing
- Full safety data on all products and equipment

Progress in Partnership

SAFC Hitech is a global company dedicated to providing the highest standard products and services to our customers in a consistent manner to meet agreed specifications. Our processes are designed to provide optimum quality product in a reliable fashion with minimized environmental impact as recognized by ISO 9000 and ISO 14001 certifications.



Global Facilities:

- From small scale synthesis to large quantity manufacturing
- Clean room packaging
- Dual manufacturing facilities in the UK and US
- Two transfill facilities in Japan and Taiwan
- Worldwide sales network



To meet customer requests, SAFC Hitech has developed a bulk delivery system suited to large volume users of metalorganic precursors. The EpiFill™ equipment offers safety and quality benefits with reduced costs. SAFC Hitech has also released the EpiSensor™, a continuous, accurate, insitu real time precursor level monitoring system for full control of source usage.

