



Regulatory Services @ Saltigo

REACH Compliance

- Ensuring proper registration, approval and restrictions of chemical substances

Substitution Checks

- Supporting the identification of safer chemical alternatives

Workplace Safety

- Adherence to regulations for safe chemical handling.

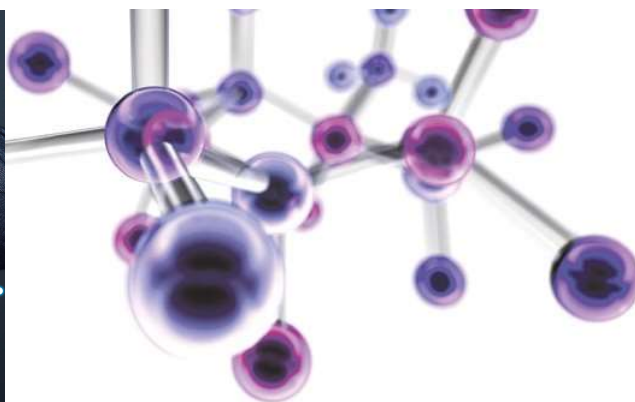
Biocide Regulations

- Navigating compliance in biocide handling

From raw material procurement to chemical synthesis, we ensure your products meet all specifications and classification laws. We also manage the safe transport of hazardous goods in full regulatory compliance.

Partner with Saltigo for efficient, reliable compliance and regulatory solutions across your chemical processes

More about Saltigo Service Offer



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A company of the
LANXESS
Group

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saltigo
customized competence



One-stop-shop - Broad services for every step of your project

At Saltigo, we provide end-to-end custom manufacturing services — from process scouting to large-scale production — tailored to meet your unique needs. Our process scouting begins with thorough literature research to identify efficient and scalable synthesis routes. In process research, we evaluate batch and flow chemistry options, offering lab-scale feasibility studies and sample delivery. With process development, we support your project from lab-scale optimization to demo batches and commercial production. We apply advanced tools such as Design of Experiments and statistical process analysis to improve efficiency and quality. Our pilot plant handles campaigns from 100 kg to 5 t, providing the flexibility to scale up safely and reliably. Equipped with cutting-edge technologies, we manage complex and highly specialized chemistries — always with a focus on efficiency, quality, and safety. Saltigo is your partner for customized, scalable, and high-performance process solutions — from idea to industrial implementation.

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Process Scouting @ Saltigo



Process Research @ Saltigo



Process Development & Pilot Production
@ Saltigo

Desk Research & Retrosynthesis

- Comprehensive artificial intelligence supported literature research to uncover state-of-the-art synthesis pathways
- Development of tailored retrosynthesis strategies to pinpoint the most efficient and cost-effective production routes at Saltigo's facilities
- Delivery of a detailed report summarizing findings and recommendations

Manufacturing-Related Services

- Expertise in REACH, regulatory compliance, safety, environmental and quality (HSEQ) standards
- Patent searches providing insights into manufacturing possibilities at Saltigo's facilities
- Customized solutions aligned with your project's requirements during piloting or production at Saltigo

Route Selection

- Identification, pre-selection and evaluation of optimal synthesis routes with initial lab tests.

Parameter Screening

- Investigation, optimization of raw materials and parameters, analysis of lab data and creation of a laboratory protocol
- Preliminary safety assessments using advanced techniques like differential scanning calorimetry

First Lab Batch Production & Sample Supply

- Production of the initial batch (up to 500 g) based on optimized parameters and analytical method development.
- Comprehensive reporting with detailed insights and recommendations.

Flow Chemistry Feasibility

- Feasibility studies using advanced reactor systems
- Evaluation of converting batch processes to flow methods

Corrosion testing

- Assess material resistance under varied conditions using TÜV-certified samples.

Chemical Development

- Process analysis and optimization for yield, volume and cycle times and synthesizing Demo batches
- Comprehensive statistical process analysis through DOE and Lean Six Sigma evaluations

Analytical Development

- Advanced analytical methods ensuring precise and reliable results
- Expertise in electrolyte analysis

Process Safety

- Comprehensive safety analyses integrated into piloting & production phases.

Process Engineering

- Studies on crystallization, filtration resistances, stirrer designs, and drying processes
- A highly flexible pilot plant featuring interconnectable production modules (0.4–16 m³)
- Designed to handle the most demanding chemical processes