STIBO SYSTEMS
MASTER DATA MANAGEMENT

Improve Product Integrity, Compliance and Operational Efficiency Across Global **Chemical Supply Chains**

Chemical manufacturers operate in complex, regulated ecosystems where precise data management defines profitability, safety and compliance.

From bulk chemicals and polymers to coatings, catalysts and adhesives, inconsistent product and regulatory data can trigger costly delays, compliance breaches or plant inefficiencies.

Even with sophisticated ERP and LIMS systems, many producers struggle with disconnected product, formula and regulatory data across regions and divisions. Without a single version of truth, material traceability, GHS labeling and SDS accuracy become serious risks — especially in multi-site global operations.

Stibo Systems Platform provides an enterprise-wide foundation for managing master data across products, raw materials, suppliers, equipment and compliance documentation.

It connects manufacturing, safety and supply chain functions through governed, validated data that supports faster innovation and safer operations.

> After consolidating formula, labeling and regulatory data in Stibo Systems, our compliance cycle time dropped by 30%, and we eliminated hundreds of duplicate SKUs globally."
>
> **Global Data Governance Leader,**
> Specialty Chemicals Company

1. Centralize product and raw material data

Inconsistent data across sites can lead to formula errors, mislabeling and increased regulatory exposure.

Stibo Systems addresses these challenges by standardizing product hierarchies, attributes and formulas across divisions. This helps maintain integrity and accelerate time to market.

Key capabilities:

- Product and material Master Data Management (MDM)
- Standardized data model for formulations and blends
- Integration with PLM, ERP and LIMS systems
- Version control for recipes, test data and specifications
- Automated SDS and GHS labeling synchronization

Benefits for key stakeholders:

R&D: Ensure all formulations are versioned, validated and reusable

Operations: Reduce production errors from inconsistent data

Regulatory affairs: Maintain SDS accuracy across all markets

Benefits for key stakeholders:

Procurement: Simplify supplier qualification and reduce risk exposure

Compliance: Maintain continuous readiness for audits and inspections

Sustainability: Track sourcing and regulatory adherence across the chain

2. Strengthen supplier and compliance data governance

Chemical producers rely on a wide network of raw material suppliers — each bound by REACH, TSCA and region-specific regulations. Stibo Systems ensures supplier and compliance data is complete, consistent and verifiable across all markets.

Key capabilities:

- Supplier MDM with onboarding workflows
- Automated verification of REACH, TSCA and RoHS data
- Supplier risk and certification tracking
- Document and certificate governance with renewal alerts
- Integration with procurement and ERP systems

3. Optimize plant operations and equipment data

Chemical plants need accurate equipment and asset data to ensure uptime, safety and efficiency. Stibo Systems integrates asset hierarchies and maintenance data under one governed structure.

Key capabilities:

- Equipment and asset MDM (aligned to ISO 14224)
- Spare part and bill of material standardization
- Integration with CMMS, ERP and EAM platforms
- Predictive maintenance data preparation
- AI-driven duplicate and discrepancy detection

Benefits for key stakeholders:

Maintenance and reliability: Increase uptime and streamline spare part management

Engineering: Improve consistency across multi-site operations
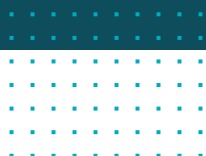
Operations leaders: Lower maintenance costs and minimize safety risks

Benefits for key stakeholders:

Regulatory teams: Simplify compliance management across jurisdictions

Health and safety: Ensure accurate hazard communication

Executives: Minimize compliance-related disruptions

4. Ensure global compliance and product stewardship

The complexity of multi-regional regulations demands automated, traceable data governance. Stibo Systems ensures compliance with GHS, REACH, TSCA and other global standards through consistent, validated data models.

Key capabilities:

- Regulatory data management for REACH, CLP, OSHA and GHS standards
- Integration with labeling, SDS and product stewardship systems
- Hazardous material classification and export control management
- Audit trail management and regulatory reporting automation
- Multi-region compliance dashboards

5. Drive sustainability and circular manufacturing goals

As the industry moves toward carbon neutrality and circular manufacturing, data transparency is paramount. Stibo Systems unifies sustainability, emission, and lifecycle data to support both operational and ESG reporting goals.

Key capabilities:

- Emissions and energy use tracking at the product or plant level
- Integration with ESG and sustainability reporting frameworks
- Recycled content and green chemistry data governance
- Supplier sustainability scoring
- Carbon footprint data aggregation for products and materials

Benefits for key stakeholders:

Sustainability teams: Streamline ESG and Scope 3 reporting

Operations: Identify inefficiencies and reduce energy costs

Executives: Communicate verifiable progress toward carbon goals

Build a compliant, sustainable and data-driven chemical manufacturing enterprise

Stibo Systems provides the foundation chemical manufacturers need to unify product, supplier and regulatory data into a single trusted source. The result? Operational transparency, faster innovation and reduced compliance risk across the value chain.

For manufacturers managing intricate supplier networks and distributor relationships, Stibo Systems Business Partner Data Cloud's AI-powered deduplication, firmographic enrichment and automated onboarding streamline operations, maintain compliance and provide visibility into indirect sales channels.

And our Customer Experience Data Cloud eliminates duplicates, ensures data quality and maintains regulatory compliance. Where customer relationships span multiple touchpoints, our solution connects customer data with locations and products to optimize cross-sell opportunities, improve loyalty programs and enable data-driven decisions.

Both Business Partner Data Cloud and Customer Experience Data Cloud centralize, manage and sync data — customer or business partner — across siloed operational and sales solutions.

See how Stibo Systems transforms chemical manufacturing at **stibosystems.com/chemical**.

About Stibo Systems
Stibo Systems is a leading enabler of trustworthy data through AI-powered master data management. Built on a robust and flexible platform, our SaaS solutions empower enterprises around the globe to deliver superior customer and product experiences. Our trusted data foundation enhances operational efficiency, drives growth and transformation, supports sustainability initiatives and bolsters AI success. Headquartered in Aarhus, Denmark, Stibo Systems is a privately held subsidiary of Stibo Software Group, which guarantees the long-term perspective of the business through foundational ownership. More at **www.stibosystems.com**.