



Choose certainty.
Add value.

Chemical Data Management System (CDMS)

Benefit from a data-driven process for managing chemicals



Your challenges

The consumer products industry faces an increasing focus on the environmental and health impacts of chemicals used in manufacturing. Manufacturers and retailers must ensure that hazardous chemicals are ultimately eliminated from their supply chains. To do this, industry stakeholders need to implement a suitable chemical management process integrated with a data-driven management system.

What is the Chemical Data Management System (CDMS)?

The CDMS is a smart system with a core database that collects and analyses chemical test results. It also makes specific recommendations to improve the testing programme while reducing cost.

Why is this software important?

The CDMS software is closely related to the chemical management service provided by TÜV SÜD. The CDMS allows businesses to compile and analyse data to

increase the efficacy of their testing programme. The software enables businesses to upload product safety and quality data, and provides an overview of the entire supply chain, from design to distribution.

How can we help you?

TÜV SÜD is a leading global player in the consumer products and retail sectors. We have decades of experience in ensuring product quality and safety, as well as product and process sustainability. Through the CDMS smart solution, we are able to create a connection between our laboratories, your products and your supply chain. This enables us to provide the data analysis, personalised risk assessments and related testing plans needed for successful chemical management.

Our Chemical Data Management System

The CDMS software has the following capabilities:

- An automatic BoM-comparison algorithm to return statistically significant advice by taking the supplier's



chemical testing performance into consideration.

- A mathematical model for uncorrelated data to compute the passing probabilities of materials and final products subject to predefined acceptance limits; a time-evolving probability calculation making use of a rolling time-frame concept to dynamically reflect the performance of suppliers.
- The Risk Cube: The predictive capability to forecast the passing rates of raw materials or/and final products upon acceptance limit or evaluation criteria changes.

The system supports businesses with:

- Quality system design and implementation via Plan-Do-Check-Act Testing at the upstream point of the supply chain, and chemical products / formulations screening (smart testing).
- Consolidation of all the chemical testing results along the supply chain (BOM, BOS).
- Assured traceability along the supply chain from raw materials to final products – a relational database.
- Compiled up-to-date requirements of regulations on chemicals by materials, by usages, and by regions/ countries.
- Storage of MSDS, RSL, TDS of chemicals with risk assessments, precautionary actions and phase-out plans for hazardous chemicals.

- Formulated test plans to reduce redundant testing.
- Formulated test plans to monitor the reduction and elimination of restricted substances.
- Compiled testing statistics to evaluate the performance of suppliers.

Your business benefits

- **Save time and money** – with our smart BoM-comparison algorithm to help manage tests and contain costs.
- **Minimise risk** – with personalised risk assessment based on customer's testing data to help avert health and safety issues.
- **Gain a competitive edge** – by evaluating your chemical risk with our predictive functions to prepare for possible regulatory or industry practice framework changes.

Why choose TÜV SÜD?

TÜV SÜD is recognised worldwide as a leading service provider for consumer products and retail. We offer extensive specialised technical support and services for each business segment. Through our international expertise, we support you with global key account management to ensure service consistency across all our locations. Our multi-divisional network provides customers with a one-stop solution for sustainability as well as the best IT tools for data management.

Choose certainty. Add value.

TÜV SÜD is a premium quality, safety and sustainability solutions provider that specialises in testing, inspection, auditing, certification, training and knowledge services. Represented in over 1,000 locations worldwide, we hold accreditations in Europe, the Americas, the Middle East, Asia and Africa. By delivering objective solutions to our customers, we add tangible value to businesses, consumers and the environment.