



Collaborative Sustainability

UL Solutions & CleanChain

Discover a transformative alliance between UL Solutions and ADEC Innovations, creators of the cutting-edge CleanChain platform. This strategic partnership is poised to revolutionize chemical management in the textile and leather industries on a global scale, in harmony with the Zero Discharge of Hazardous Chemicals (ZDHC) guidelines for apparel and footwear.



Key Features:

Chemical Management

The use and release of harmful chemicals in textile and leather production can have negative impacts on water, plants, animals, and people. To track your company's efforts in eliminating these hazardous substances, you need visibility into the specific chemicals used in your extended supply chain and assurance that they adhere to Manufacturing Restricted Substance Lists (MRSLs), substance controls, and limits.

Tracing the chemical supply chain from producers to textile suppliers is a complex and data-intensive task. CleanChain integrates seamlessly with your existing processes, providing the information and insights necessary to manage your unique and intricate MRSL compliance processes and prevent the discharge of harmful chemicals.

With our collaboration you can:



Reduce hazardous chemicals and environmental emissions



Understand and mitigate risks across your supply chain



Enhance compliance with MRSL and RSL



Reduce the costs and burden associated with collecting supply chain data

Wastewater testing

The testing of wastewater requires specific knowledge, experience and the corresponding equipment. The correct sampling is the first phase of the analysis process and has great significance to the assessment of wastewater quality as per the specific technical standards of the ZDHC wastewater guidelines.

Wastewater tests, which are conducted by UL Solutions laboratories in Europe, North Africa and in the Asia Pacific region, determine the safety measures against the use of prohibited and high-risk chemicals.



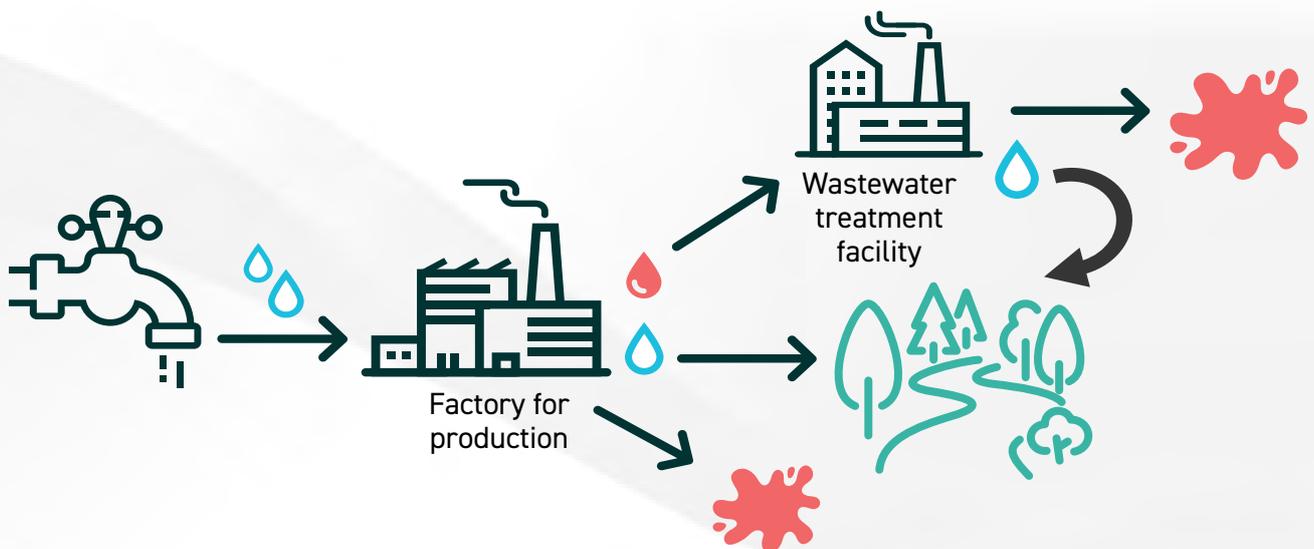
Water in textile manufacturing

Incoming water supplied to a manufacturing process

Untreated raw wastewater from direct or indirect system discharge

Treated wastewater that can be reintroduced to the environment

Sludge, a residual product from the treatment of urban and industrial wastewater



A seamlessly integrated solution for your eco-friendly textile supply chain



Input

CleanChain

- Inventory reporting and ZDHC performance InCheck report

UL Solutions

- MRSL Level 1 certification

Process

CleanChain

- Chemical Inventory List
- CAP

UL Solutions

- Official ZDHC Training
- Technical Advisory
- Higg Index verification and Higg FEM 3.0 training

Output

CleanChain

- Business Intelligence solutions. Including Supplier to Zero and Brand to Zero
- Wastewater guidelines

UL Solutions

- ZDHC Wastewater testing

Official ZDHC Training





Key Benefits of the UL Solutions and CleanChain Partnership



Streamlined ZDHC Compliance: Manage and maintain ZDHC compliance effortlessly across your supply chain through a unified platform combining accurate chemical testing and real-time inventory management.



Enhanced Supply Chain Transparency: Gain upstream visibility into chemical usage at every production step, facilitating informed decision-making and building trust among stakeholders.



Technical and Compliance Reports: Leverage advanced analytics and reporting functionalities to extract actionable insights from your chemical inventory data, driving continuous improvement and sustainable practices.



Improved Risk Mitigation: Harness the combined expertise of UL Solutions and CleanChain to identify and proactively manage potential risks associated with hazardous chemicals.



Official ZDHC Training: Available for both suppliers and brands



Your End-to-End Chemical Management Solution: UL Solutions and CleanChain seamlessly integrate comprehensive chemical testing and assessment capabilities with a digital platform, providing a holistic view of your chemical inventories. Identify risks, track usage patterns, and implement effective control measures.

About CleanChain

CleanChain, developed by ADEC Innovation, serves as a comprehensive chemical management system within the framework of the Zero Discharge of Hazardous Chemicals (ZDHC) Gateway. Going beyond existing databases such as the ZDHC MRSL, CleanChain monitors users' ongoing efforts to adopt sustainable and safe chemical practices. It empowers users with complete control over supply chain relationships, inventories, and chemical and discharge data.

This application features performance benchmarking, chemical conformance reporting, communication tools, and real-time accreditation updates, fostering robust relationships throughout the supply chain. CleanChain serves as a unified platform for managing chemical data from diverse and disparate suppliers, showcasing their progress in meeting sustainability goals and objectives.



About UL Solutions

A global leader in applied safety science, UL Solutions transforms safety, security and sustainability challenges into opportunities for customers in more than 100 countries. UL Solutions delivers testing, inspection and certification services, together with software products and advisory offerings, that support our customers' product innovation and business growth. The UL Certification Marks serve as a recognized symbol of trust in our customers' products and reflect an unwavering commitment to advancing our safety mission. UL Solutions helps their customers innovate, launch new products and services, navigate global markets and complex supply chains and grow sustainably and responsibly into the future.

