



Connecting the dots between chemistry and sustainability in the softlines industry

ZDHC and chemical management services

Reducing discharge of hazardous chemicals

The textile and leather industries are under increasing pressure to minimize their impact on the environment and improve the sustainability of supply chains. One aspect of textile and leather supply chain management under close scrutiny is the use of hazardous chemicals in the manufacturing process that may also be discharged into wastewater.

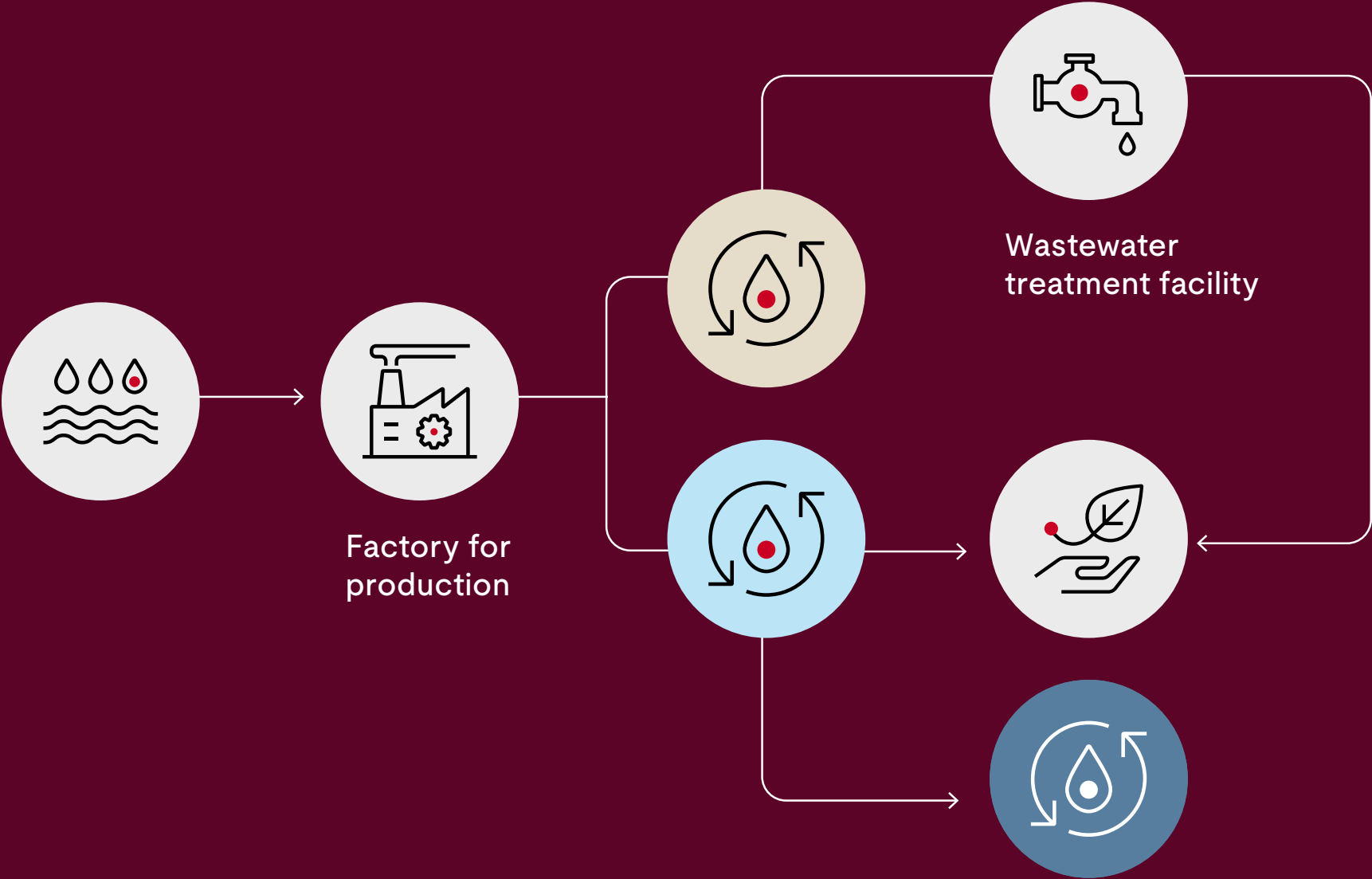
Numerous initiatives have emerged to address this issue, including the Joint Roadmap Toward Zero Discharge of Hazardous Chemicals (ZDHC), developed in response to the Greenpeace Detox campaign, which demands that hazardous chemicals are

eliminated from textile and leather supply chains to be replaced by safer alternatives.

The ZDHC Roadmap to Zero Programme evaluates different steps of the value chain and establishes specific modules, guidelines, requirements and tools to improve chemical management.

As an Approved Solution Provider of ZDHC, UL Solutions offers chemical management strategy development for the fashion and luxury industries and their global supply chains.

Water in the textile and leather industry



Wastewater treatment facility:
factory for productions



Raw wastewater (untreated
water): water not treated
prior to direct or indirect
discharge from the facility



Treated wastewater: water
that has been treated
and can be reintroduced
in the environment



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

Benefits of implementing a chemical management strategy with the support of UL Solutions

UL Solutions can support you in your efforts to:



Reduce the use and discharge of hazardous chemicals.



Achieve your key performance indicators (KPIs).



Mitigate risks across your supply chain.



Improve supply chain data management.



Better engage with your supply chain.



Gain visibility into tier 2 and 3 suppliers.



Enhance compliance with ZDHC Manufacturing Restricted Substances List (MRSL) and other specific restricted substances lists (RSLs).



Automate your chemical inventory check.

How UL Solutions can help you improve your engagement with your supply chain and achieve your KPIs

- **ZDHC MRSL Certification**

UL Solutions offers certifications to ZDHC Manufacturing Restricted Substances List (MRSL), which can help you demonstrate that the chemical formulations used in a product's manufacturing do not contain any substances restricted by ZDHC MRSL.

- **ZDHC Performance InCheck**

Thanks to our [collaboration with ADEC Innovations](#), the technology provider behind the supply chain software as a service (SaaS) platform CleanChain, we offer the ZDHC Performance InCheck Report (Inventory Check) to check chemical inventories against the ZDHC MRSL on the ZDHC Gateway.

- **Testing according to ZDHC Wastewater Guidelines**

Our ZDHC-approved laboratories can conduct wastewater and sludge analysis according to the ZDHC Wastewater Guidelines and submit data on behalf of suppliers to the ZDHC Gateway – Wastewater Module. Wastewater tests determine the safety measures against the use of prohibited and high-risk chemicals.

- **Chemical management program development**

Our chemical experts can support you in all aspects of the chemical management program, including the development of a restricted substances list, the inventory of chemicals and the implementation of a suitable test program that takes the entire supply chain into consideration.

- **Official ZDHC trainings**

To help equip brands and suppliers with skills in chemical management, risk assessment and reducing environmental impact through controlling and treating wastewater discharge from factories, we offer official ZDHC trainings in multiple languages.

To learn more, visit UL.com/ZDHC
or contact us at RCP@ul.com



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