

A person wearing a white lab coat and green rubber boots is holding a glass beaker containing a brown liquid. The person is standing in a shallow pool of water in a hazardous waste site, with large piles of dark waste and industrial structures in the background under a blue sky.

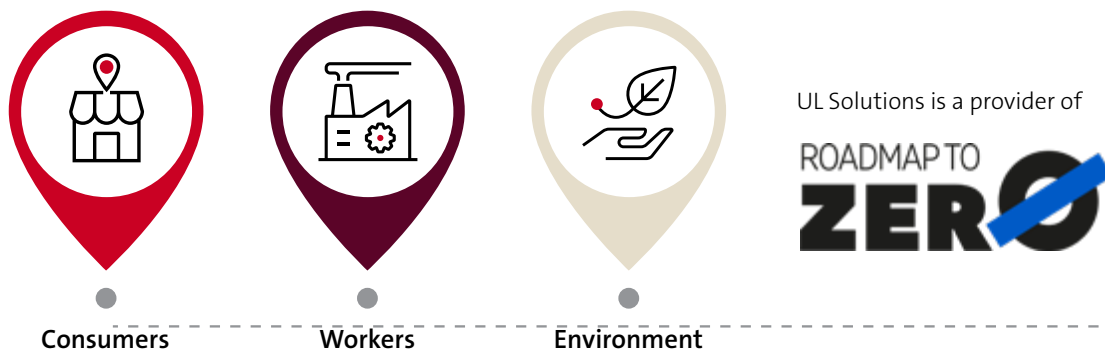
# ZDHC

## training program

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# Educate yourself and your supply chain on chemical management

UL Solutions is an approved **provider** and accredited trainer of the ZDHC Roadmap to Zero program, supporting their vision of widespread implementation of sustainable chemistry and best practices in the textile, leather and footwear industries to protect consumers, workers and the environment.



These training sessions aim to equip brands and suppliers with skills in chemical management, risk assessments and ways to reduce environmental impact through controlling and treating wastewater discharge from factories.

## Introduction to Chemical Management in the Textile and Leather Industry

The Introduction to Chemical Management in the Textile and Leather Industry training is designed to improve your understanding of chemical management.

### Audience

- Factory managers
- Personnel responsible for dyeing, printing, chemical purchase, ETP, EHS, quality assurance and sustainability working at the wet processing facilities (such as dyehouse, printing, laundries and tanneries)
- Workers in the textile and leather industry in a similar capacity

### By enrolling for the course, you are signing up for the following topics:

- Introduction
- Hazards and risks
- Labeling and communication
- Chemistry storage
- Environmental impact mitigation measures
- Introduction to wastewater treatment

### Course outline

1. Review together with your trainer the characteristics and harmful effects of hazardous chemicals used in textiles and leathers
2. Receive general guidance on chemical management and recommendations on how to establish an effective chemical management system
3. Receive more detailed information on hazards and chemical risks
4. Know more about ZDHC MRSL, functions and best practices of SDS, chemical labeling and chemical risk communication
5. Gain knowledge on environmental impact mitigation measures, Wastewater treatment and monitoring

Do you want to organize a private ZDHC training session for you and your suppliers?

### What are the steps?

- Contact your UL Solutions representative and find the best solution and the optimal dates for you and your organization
- Register on the [ZDHC Academy](#) tool
- Register via the specific registration form that UL Solutions will share with you

### Languages:

ZDHC training can be presented by UL Solutions accredited trainers in many countries in the following languages:

- English • Italian • Turkish
- French • Chinese



## Top 10 Issues of Chemical Management

The Top 10 issues of Chemical Management is designed to help facilities to understand the key issues in implementing a chemical management system (CMS) and suggest best practice solutions to overcome operational challenges in a factory.

The content will be based on the framework of the [ZDHC Chemical Management System Guidance Manual \(CMS\)](#), which provides practical examples to support facilities to improve their chemical management system.

### Audience

- The facility's chemical management team members:
  - EHS/ETP managers/technicians
  - Product quality managers
  - Operations managers
  - Chemical experts
  - Purchasing/chemical storage managers
- Those who have completed the ZDHC "Introduction to Chemical Management in the Textile and Leather Industry" training
- Those who already have certain knowledge or an operational background in chemical management in the textile, footwear and leather industry.

### Course outline

1. Review 10 frequently identified issue areas when working towards a holistic and effective Chemical Management system.
2. Learn about best practices solutions
3. Discuss practical case studies



## Zero Discharge of Hazardous Chemicals (ZDHC) Chemical Management System Technical Industry Guide

This training is designed to further develop understanding of the [Chemical Management System \(CMS\) Technical Industry Guide \(TIG\) Framework](#). It provides practical guidance for the implementation of CMS TIG minimum requirements and best practices.

### Audience

Relevant personnel within suppliers' organizations as well as auditors evaluating facilities for CMS implementation.

### Course outline

1. Start of the CMS Journey – Preparation and Planning
  - Chemical management policy
  - Chemical management strategy
  - Assessments, e.g., regulatory, chemical, supply chain, safer alternative
2. Build Up through Action – Implementation
  - Health and safety
  - Chemical inventory
  - Storage and handling
3. Monitor and Accelerate – Review and Update
  - Output management, wastewater, sludge, air emission, solid waste, process control
  - Continuous improvement

*Please note: Certificates for the ZDHC Introduction to Chemical Management and ZDHC Top 10 Best Practices will serve as an indication of your prior gained chemical management knowledge. If you do not have a ZDHC certificate, you will be asked to do a pre-assessment before joining this training.*





## Wastewater Management

The course 'Wastewater Management' is designed to improve your understanding of wastewater management.

### Audience

The intended audiences of this course are facilities' ETP managers and technicians, EHS managers, operational managers and chemical experts, who already have certain knowledge and/or operational background in chemical and environmental management in the textile, footwear and leather industry.

### Course outline

1. Introduction to ZDHC's mission, vision, approach and tools
2. Introduction to the latest ZDHC Wastewater Guidelines
3. Root cause analysis and corrective action plan
4. Commonly available wastewater treatment technology

For more information, you can consult [UL.com/ZDHC](https://www.ul.com/ZDHC), send a message to [Apparel@UL.com](mailto:Apparel@UL.com) or contact your UL Solutions representative.



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