

# Chemical Management Training

## *E-learning based training approach*

### ASSESSING THE NEED IN THE INDUSTRY

The production of textiles and leather as well as shoes includes the use of various hazardous chemicals. Factories need to use, apply and dispose of chemicals. Good chemical management can contribute substantially to the sustainability of textile industry. If chemicals are used inadequately, workers, consumers and the environment are at risk because of chemicals used in the production processes. On the long run, people and communities are affected by unsafe drinking water, hazardous waste generation, pollution of soil and farmland and in turn nutrition and higher risk to develop cancer and genetic developmental disorder by the exposure to cancerogenic substances and endocrine disruptors. As the textile and leather industry are currently chemical intensive, efficient chemical management can contribute significantly to the well-being of communities and their surrounding environment.

### POTENTIAL AND OBJECTIVES OF TRAINING

Brands, consumers and producers are confronted with increasing demands concerning their sustainability. To bridge the gap between demanded action and action taken, GIZ has developed a targeted e-learning based training programme, consisting on the long-term experience of more than 20 years of a resource efficient management of chemicals around the globe.

The training is targeting at the chemical engineers at factory level who are directly involved in improving and implementing chemical management. The full training programme includes self-paced training modules, online tutored learning and a concept to conduct blended trainings with virtual and face-to-face trainings.

#### **For service provider**

*The training package is also meant to serve as a reference for service providers (e.g. service cells in industry associations, business intermediaries, training, advisory or audit service providers), who want to assist companies in these efforts.*

#### **The objective of the training is to:**

- raise awareness on health and environmental risks
- enable to perform risk analysis and implement measures accordingly international standards
- provide practical guidance to personnel of factories in the textile, leather and shoe industry
- introduce the seven steps of the cycle of change which closely follow the recommended structure and content of the Zero Discharge of Hazardous Chemicals (ZDHC) Chemical Management System Guidelines

#### **The target group will learn in a step-by step- approach about:**

- ✓ how to set up a chemical management system
- ✓ simply update specific aspects in the company's existing management practices
- ✓ implementation or upgradation of resource efficient management of chemicals in their respective factories
- ✓ impact of chemicals on wastewater and sludge treatment
- ✓ implement chemical risk control
- ✓ health protection and occupational safety

### Contact

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**Interested in joining the training?**  
If you are interested in improving the chemical management at your factory or encourage your suppliers to improve in this regard, please contact us!