

# NOTES : COURSE CATALOG

NimkarTek's Online Training on Environment and Sustainability

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- A** Restricted Substances Lists (RSLs)
  - B** APEO Modules
  - C** Individual RSL Groups
  - D** Chemical Management
  - E** General Topics
  - F** Modules in Chinese



## (A) Modules on RSLs

Category	Module Code	Module Name	Details	Price (USD)
<b>RSLs</b>	<b>A1</b>	<b>Understanding a Brand RSL Document</b>	<ul style="list-style-type: none"> <li>Background, purpose, scope of RSLs</li> <li>Basic terms used in a Brand RSL document</li> <li>Primary actions for avoiding RSL non-compliance</li> </ul>	105
	<b>A2</b>	<b>Restricted Substances in Textiles</b>	<ul style="list-style-type: none"> <li>Definition, purpose, scope, criteria of RSLs</li> <li>Structure and terms used in a typical Brand RSL document</li> <li>Definition, purpose, scope and criteria of MRSLs</li> <li>Structure and terms used in an MRSL</li> <li>Overview of important Restricted Chemical Groups (Chemistry, Harmful effects, Uses, Sources in textile production)</li> </ul>	125
	<b>A3</b>	<b>Best Practices for RSL compliance</b>	<ul style="list-style-type: none"> <li>Causes and effects of RSL failures</li> <li>Major RSL risk areas</li> <li>Preventive actions for RSL failures</li> <li>Corrective actions for RSL failures</li> </ul>	125
	<b>A4</b>	<b>Testing requirements for RSL compliance</b>	<ul style="list-style-type: none"> <li>Basic testing steps and overview of equipments used for extraction and analysis of restricted substances</li> <li>Developing a 'Smart' testing plan for screening raw materials and finished articles for restricted substances</li> <li>Testing procedures for Banned amines, APEOs and Heavy metals</li> <li>Interpreting a test report</li> <li>Factory action plans for RSL testing in finished articles</li> </ul>	125
	<b>A5</b>	<b>Fundamentals of RSL</b>	<ul style="list-style-type: none"> <li>General aspects of RSLs</li> <li>Overview of RSL Chemical Groups</li> <li>Major RSL risk areas in dyehouses, laundries, leather processing and footwear manufacturing</li> <li>Factory action plans on RSL Compliance</li> </ul>	160

## (B) Modules on APEOs

Category	Module Code	Module Name	Details	Price (USD)
<b>APEOs</b>	<b>B1</b>	Introduction to APEOs	<ul style="list-style-type: none"> <li>Background and current concerns</li> <li>Sources in textile and garment processing</li> <li>Steps to be implemented to ensure APEO- free production at a facility</li> </ul>	125
	<b>B2</b>	Properties and Usage of APEOs	<ul style="list-style-type: none"> <li>Background, application &amp; types of Surfactants</li> <li>Properties and uses of APEOs in dyes and specialty chemicals</li> <li>Alternatives to APEOs</li> </ul>	125
	<b>B3</b>	APEO Elimination Strategy	<ul style="list-style-type: none"> <li>APEO sources in Textile &amp; Leather</li> <li>Practical steps that can be taken by a facility to ensure complete elimination of APEOs in production.</li> <li>This covers intentional &amp; unintentional sources of contamination from production and sundry chemicals</li> </ul>	125

B4 : Discount Package for purchase of all APEO modules @ \$ 325

## (C) Modules on Individual RSL Groups

Category	Module Code	Module Name	Details	Price (USD)
<b>Individual RSL Groups</b>	<b>C1</b>	Fundamentals of PFCs	<ul style="list-style-type: none"> <li>Background &amp; Uses of PFCs</li> <li>Evaluation &amp; requirements of oil and water repellent finishes</li> <li>Concerns and restrictions on PFCs</li> <li>Safer alternatives</li> </ul>	125
	<b>C2</b>	Understanding Banned Amines	<ul style="list-style-type: none"> <li>Azo colorants and banned amines</li> <li>How are they released? Why are they harmful?</li> <li>Sources of banned amines</li> <li>Global regulations on banned amines</li> <li>Methods of testing banned amines</li> <li>Precautions to be taken for compliance</li> </ul>	125
	<b>C3</b>	Fundamentals of Phthalates	<ul style="list-style-type: none"> <li>What are Phthalates?</li> <li>How are they released? Why are they harmful?</li> <li>Sources of Phthalates</li> <li>Global regulations and Test methods</li> <li>Precautions to be taken for compliance</li> </ul>	115

## (D) Modules on Chemical Management

Category	Module Code	Module Name	Details	Price (USD)
<b>Chem Mgt.</b>	D1	Understanding MSDS	<ul style="list-style-type: none"> <li>Purpose and Scope of MSDS</li> <li>Guidelines for MSDS prep &amp; updates</li> <li>GHS and its importance</li> <li>Description of the 16 sections in an MSDS</li> <li>Interpreting an MSDS for chemical management</li> </ul>	125
	D2	Chemical Management for compliance	<ul style="list-style-type: none"> <li>Need for chemical management</li> <li>Elements of good chemical management</li> <li>Appointment and training needs of a Chemical Compliance manager</li> <li>Guidelines for Implementing a Chemical Management system at your facility</li> </ul>	125
	D3	Chemical Safety at the workplace	<ul style="list-style-type: none"> <li>Types of hazards and risk assessment (Hazard X exposure = risk) of chemical inventory</li> <li>Preventive and protective measures for chemical safety (Safe storage, PPEs, chemical compatibility, routes of exposure, engineering controls, emergency response plans, fire -fighting, first aid &amp; accident emergencies)</li> <li>Hazard communication (MSDS, GHS label elements, hazard pictograms, safety signboards, worker training)</li> <li>Developing a chemical safety program</li> </ul>	125
	D4	Fundamentals of wastewater management	<ul style="list-style-type: none"> <li>The need for wastewater management</li> <li>Basic terms used in effluent treatment</li> <li>Typical wastewater treatment process in a textile facility</li> <li>Monitoring wastewater for chemical compliance</li> <li>Sampling and testing procedures for wastewater</li> </ul>	125

## (E ) Modules on General Topics

Module Code	Module Code	Module Name	Details	Price (USD)
General Topics	E1	Basics of Textile fibres and Colouration	<ul style="list-style-type: none"> <li>• Introduction to different Textile fibres – natural, regenerated and synthetic</li> <li>• Dyeing &amp; Printing of different fibres</li> <li>• Different types of dyes for fibres, brief dyeing procedures and ecological impacts</li> <li>• Various printing techniques</li> </ul>	125
	E2	Understanding GOTS version 4	<ul style="list-style-type: none"> <li>• Background of GOTS</li> <li>• Criteria for organic fibres, requirements for chemical inputs, processing stages</li> <li>• Limit values for chemical residues in GOTS goods</li> <li>• Quality assurance system and minimum Social criteria</li> </ul>	125
	E3	Global legislations on chemicals in textiles	<ul style="list-style-type: none"> <li>• Need for legislations on restricted chemicals in textiles</li> <li>• US legislations for chemicals in textiles</li> <li>• EU legislations for chemicals in textiles</li> <li>• Legislations in Korea, China and Taiwan</li> </ul>	125
	E4	Business Case for chemical compliance	<ul style="list-style-type: none"> <li>• Chemical safety requirements</li> <li>• Compliance requirements for finished articles and learnings from RSL failures</li> <li>• Background of the 'Detox' campaign</li> <li>• The Zero Discharge of hazardous chemicals initiative and its impact on suppliers and chemical manufacturers</li> <li>• Important global requirements on chemical compliance</li> </ul>	99
	E5	Basics of Eco-terms and concepts	<ul style="list-style-type: none"> <li>• Explanation of ecology &amp; environment and terms used such as ecosystem, ecological footprint, food chain, sustainability ready and inherent biodegradability.</li> <li>• Terms used in chemical documentation such as toxicity, types of toxicity (oral and aquatic), LD<sub>50</sub>, LC<sub>50</sub>, Types of hazards, CMR, PBT, Endocrine Disruptors</li> <li>• Units of measurement in testing such as mg/kg, ppm, mg/L, µg/cm<sup>2</sup>/week</li> <li>• Terms used in wastewater treatment: COD, BOD, TSS</li> </ul>	125

	E6	Auditing Skills	<ul style="list-style-type: none"> <li>Types of audits, audit terminology, ISO 19001 guidelines and skills, competencies and responsibilities of an auditor</li> <li>Steps of an audit process</li> <li>Conducting an internal audit for chemical management systems</li> </ul>	125
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## (F) Modules in Chinese

Category	Module Code	Module Name	Details	Price (USD)
Modules in Chinese	F1	Brand RSL Document	<ul style="list-style-type: none"> <li>Background, purpose, scope of RSLs</li> <li>Basic terms used in a Brand RSL</li> <li>Primary actions for avoiding RSL non-compliance</li> </ul>	180
	F2	RSL Best Practices	<ul style="list-style-type: none"> <li>Causes and effects of RSL failures</li> <li>Major RSL risk areas</li> <li>Supplier Declarations, Testing Strategy and input chemical screening</li> <li>Corrective actions for RSL failures</li> </ul>	180

*\* For customized training modules in any specific subjects not listed above, contact:  
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