



Reducing the uses and releases of Chemicals on Concern, including Persistent Organic Pollutants, in the Textile Sector.





Let's start with a reality check

More than 1 billion workers are exposed to chemicals and hazardous substances.

1 million of these workers lose their lives each year due to exposure to hazardous chemicals.

40 per cent of the global labour force are at risk because of environmental degradation.



structure of the project

United Nations Environment Programme (UNEP)

- ► Funded by the Global Environmental Facility (GEF).
- ▶ Regional countries: Bangladesh, Indonesia, Pakistan and Vietnam.

Execution of the project.

- Basel and Stockholm Conventions Regional Centre for Southeast Asia (BCRC-SEA & SCRC Indonesia).
- ▶ Natural Resource Defence Council, Washington, DC, USA.
- ▶ The International Labour Organization: one component in Pakistan as a pilot.



Project Objectives

- ▶ Implement a comprehensive Risk Assessment based on ILO Code of Practice and ILO Chemical Convention 1990 (No.170) to cover entire chemical lifecycle.
- ► Enhance the knowledge and capacity of Textile Mills to identify Occupational Safety and Health (OSH) deficits in their chemical management practices.
- Awareness raising and training of workers on sound chemical management practices.
- ▶ Create capacity and mechanism in Textile Mills for workers' health monitoring.
- ▶ Initiate institutional level interventions with provincial department to upgrade compliance standards.
- Create consensus among national stakeholders for possible ratification of ILO Chemical Convention 1990 (No.170).



Lessons Learned from the implementation

- ▶ Textile Mills have no understanding of chemicals of concern within their chemical inventories.
- ▶ Risk Assessment is only done for chemical stores and on Personal Protective Equipment (PPE).
- ▶ Workers have no knowledge of possible health implications from chemicals.
- Lack of understanding of occupational diseases and preventive measures at Mill level.
- ▶ Incomplete and inadequate Chemical Safety Data Sheets and missing information in the garb of "confidentiality" and "trade secrets" by the manufacturers and suppliers.
- ▶ No due diligence mechanism for suppliers by Textile Mills or SOPs on chemical transportation.
- Limited scope of compliance under labour inspection.
- Emerging concerns over heat stress at work and standardize chemicals classification.







Chemicals Convention, 1990 (No. 170) and Recommendation, 1990 (No. 177)

The main ILO instruments dealing with chemicals: Ratified by 24 member states.

Adopted in 1990 and among the first international instruments dealing with all major chemical hazards in a comprehensive manner.

- ► Targeted and specific instrument.
- Provides the basis for the sound management of all types of chemicals.
- Everlasting components for new/emerging chemicals
- ► Convention No.170 served as the basis for the negotiation of the Rotterdam. Convention, which was adopted in 1998.
- ► Convention No.170 has also been a **basis for the development of GHS**.
- Complimented by the ILO Code of Practice on the Safety and use of chemicals at work.



Chemicals Convention, 1990 (No. 170) – Main Provisions

Part I. SCOPE AND DEFINITIONS

Article 1: This Convention applies to all branches of economic activity in which chemicals are used.

Article 2: the term use of chemicals at work means **any work activity** which may expose a worker to a chemical, including:

- (i) the production of chemicals;
- (ii) the handling of chemicals;
- (iii) the storage of chemicals;
- (iv) the transport of chemicals;
- (v) the disposal and treatment of waste chemicals;
- (vi) the release of chemicals resulting from work activities;
- (vii) the maintenance, repair and cleaning of equipment and containers for chemicals;



Chemicals Convention, 1990 (No. 170) – Main Provisions

Part III. Classification and Related Measures

- ▶ ARTICLE 6: Classification systems for chemicals according to the type and degree of their intrinsic health and physical hazards (Article 6,1)
- ▶ ARTICLE 7: Labelling and marking of all chemicals, in a way easily understandable to workers, providing essential information regarding their classification, the hazards they present and safety precautions to be observed (Article 7)
- ▶ ARTICLE 8: Chemical Safety and Data Sheets Provision of safety data sheets for workers on all hazardous chemicals used in the workplace (Article 8)
- ▶ ARTICLE 9: Responsibility of suppliers Suppliers should ensure that chemicals have been classified, marked to indicate their identity, labelled (for hazardous chemicals) and have chemical safety data sheets (for hazardous chemicals) (Article 9)



Chemicals Convention, 1990 (No. 170) – Main Provisions (continued)

Part IV. Responsibilities of Employers

- Employers shall ensure that chemicals are labelled or marked and that chemical safety data sheets are provided as required (Article 10)
- ▶ When chemicals are transferred into other containers or equipment, the contents should be indicated in a manner which will make their identity, hazards and any applicable safety precautions known to workers (Article 11)
- ► Employers shall ensure that workers are **not exposed to chemicals to an extend exceeding exposure limits (Article 12)**
- ▶ Assess, monitor and record the exposure of workers to hazardous chemicals (Article 12)



Chemicals Convention, 1990 (No. 170) – Main Provisions (continued)

Part IV. Responsibilities of Employers (continued)

- Employers shall make an assessment of risks arising from the use of chemicals at work, and should take appropriate measures to protect workers against such risks (Article 13)
- ► Chemicals should be handled or disposed of in a manner which eliminates or minimizes risk to safety and health and to the environment (Article 14)
- ► Employers should inform workers of the hazards associated with chemicals, provide information about safety day sheets and train workers on procedures to be followed (Article 15)
- Employers should co-operate closely with workers or their representatives (Article 16)

Part V. Duties of Workers

- Workers should co-operate closely with employers and comply with procedures and practices (Article 17)
- Workers should take all reasonable steps to eliminate or minimize risk to themselves or others (Article
 17)



Chemicals Convention, 1990 (No. 170) – Main Provisions (continued)

Part VI. Rights of Workers and their Representatives

- Workers shall have the **right to remove themselves from danger resulting from the use of chemicals** when they have reasonable justification to believe there is an imminent and serious risk to their safety or health, and they shall be **protected from undue consequences (Article 18)**
- Workers have the right to information on the identity of chemicals used at work, their properties, chemical safety data sheets, education and training (Article 18, 3)

Part VII. Responsibility of Exporting States

Exporting states should communicate any uses of hazardous chemicals that are prohibited for reasons of safety and health at work to any importing country (Article 19)



Concluding Remark