



International Cooperation Activities Towards Sound Chemical Management

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International Cooperation Branch***

**Subregional workshop for Central Asia on industrial
accident prevention**

Astana, 26-28 May 2015





OPCW Headquarters in The Hague The Netherlands

Conference of State Parties





An international treaty which excludes completely the development, production, stockpiling, use and transfer of CW

Four pillars of the Convention



Disarmament - Destruction of chemical weapons stockpiles and their associated production facilities



Non-Proliferation - Chemical industry permitted activities



Assistance and Protection



International Cooperation



International Cooperation Programmes

Economic and technological development – one of the four core objectives of CWC-



promoting international cooperation in the field of chemistry for sustainable industrial development



enhancing exchange of scientific and technical knowledge



developing skills and build national capacity



1. Integrated chemicals management

Associate Programme

2. Chemical knowledge promotion and exchange

**Conference Support Programme
Support for Research Projects
Internship Support Programme
Information Service**

3. Enhancing laboratory capabilities

**Analytical Skills Development Course (ASDC)
Laboratory Assistance Programme
Equipment Exchange Programme**

4. Industry outreach

Promoting Chemical Safety Management



Promoting Chemical Safety and Security for Sustainable Industrial Development

Scope of the Programmes:

Chemical Safety and Security is the primary activity related to the implementation of Article XI of the Chemical Weapons Convention. Through industry-outreach activities, the International Cooperation Branch seeks to meet the needs of OPCW Member States in the field of chemical safety and security management; an emerging and vital area in the peaceful use of chemicals for sustainable industrial development.



Build partnership with the chemical industry



Promote sound chemical management –
production, handling, storage, transportation etc..



Work with international and national entities – *UNIDO, SAICM, Industrial Associations, Chemical Societies, IUPAC, UNECE, OECD, IOMC, CBRN Centers, etc.....*



Work in niche areas–SMEs – *to promote knowledge and best practices in chemical safety and security management*



Develop educational materials for outreach programmes – *risk assesment documents, e-learning materials and tools, books*

Qualitative Risk Assessments

A Chemical(s) risk details			B Exposure Hazards														
Name of the Organization:			Determine the level of exposure to the chemical. Consider the level of exposure during storage, handling, use and disposal processes. Refer to the Safety Data Sheet for chemical-specific information.														
Location of storage/manufacturing facility: Please provides a photograph (if possible)			Any of the following routes of entry an exposure risk? <input type="checkbox"/> No, there are no exposure risks - go to C														
Visual foot print of the storage/manufacturing site: <input type="checkbox"/> Good condition <input type="checkbox"/> Poor condition			Inhalation <input type="checkbox"/> Ingestion <input type="checkbox"/> Skin contact <input type="checkbox"/> Eye contact <input type="checkbox"/> Injection														
Method of storage: (plastic cans, steel cans, wooden storage, concrete baskets)			Exposure hazardous to the health of the person/s exposed e.g. toxic (acute exposure); hazardous to health (chronic exposure)? <input type="checkbox"/> Yes, not toxic														
Concentration(s) of chemicals:			If yes, what are the health effects of chemical exposure (Toxicity, Body Contact, Reactivity, Acute effects, Chronic effects)? Protective equipment is available <input type="checkbox"/> Yes <input type="checkbox"/> No : DO NOT proceed.														
Manufacturer / importer:			Persons exposed to the chemical/process?														
Details of activity/process/task chemical is used for: (attach SOP if available)			<table border="1"> <tr> <td>Technical staff</td> <td><input type="checkbox"/> Teaching staff</td> <td><input type="checkbox"/> Emergency personnel</td> </tr> <tr> <td>Cleaning staff</td> <td><input type="checkbox"/> Students</td> <td><input type="checkbox"/> Administrative staff</td> </tr> <tr> <td>Grounds and Facilities staff</td> <td><input type="checkbox"/> Agricultural support staff</td> <td><input type="checkbox"/> Contractors</td> </tr> <tr> <td>Maintainers</td> <td><input type="checkbox"/> Maintenance staff</td> <td><input type="checkbox"/> Other:</td> </tr> </table>			Technical staff	<input type="checkbox"/> Teaching staff	<input type="checkbox"/> Emergency personnel	Cleaning staff	<input type="checkbox"/> Students	<input type="checkbox"/> Administrative staff	Grounds and Facilities staff	<input type="checkbox"/> Agricultural support staff	<input type="checkbox"/> Contractors	Maintainers	<input type="checkbox"/> Maintenance staff	<input type="checkbox"/> Other:
Technical staff	<input type="checkbox"/> Teaching staff	<input type="checkbox"/> Emergency personnel															
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Maintainers	<input type="checkbox"/> Maintenance staff	<input type="checkbox"/> Other:															
Availability of the Material Safety Data Sheet: <input type="checkbox"/> YES <input type="checkbox"/> No – Please search for the MSDS			Duration of the exposure (approximate contact hours per day)?														
Concentration of Hazardous Substances is a Risk <input type="checkbox"/> No <input type="checkbox"/> YES. If YES, update the register <input type="checkbox"/> No. Update the register immediately <input type="checkbox"/> Yes. If yes, what is the hazard Class and Category			Any health problems been reported?														
HS code: Packaging group: Hazchem code(s):			Will you control exposure to the product(s) (refer to guideline C)?														
Is the product (stock, decanted or diluted) labelled in accordance with regulations and is the labelling securely attached? <input type="checkbox"/> YES <input type="checkbox"/> No - Please attach the label			C Transport considerations														
General hazardous nature (H statements, and specific warnings from the SDS e.g. flammability, vapours, stability, reactivity; see guidance note A):			Are there any special transport requirements for chemicals (e.g. emergency procedure, cylinder trolley, Winchester carriers, Dewar, security etc.)? <input type="checkbox"/> No. <input type="checkbox"/> YES.														
What is the physical state of the chemical(s) in the facility? Solid (powder) <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Soluble in water? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Solid (granule/ pellet) <input type="checkbox"/> Volatile <input type="checkbox"/> Unstable <input type="checkbox"/> Other:			If yes, what controls are in place to minimise these hazards?														
			D Handling considerations														
			What are the handling risks?														
			What controls will be used to minimise these hazards?														



Work plan for industry outreach 2015

CWC and Chemical Safety and Security Management for Asia Member States



Doha, Qatar 23-25 February 2015

Objective: Chemical Safety Management and Stakeholder Responsibilities

Chemical Incident Management



Muscat, Oman 30-31 March 2015

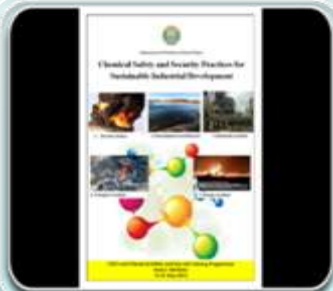
Objective: Awareness Programme for Armed Forces and Ministries on Recent Chemical Accidents and Chemical Threat Reduction

Chemical Safety Management



University of Wuppertal, Germany 13-17 April 2015

Objective: Process Safety Management for Industries



Chemical Safety and Security for Sustainable Industrial Development

Hanoi, Viet Nam 19-21 May 2015

Objective: Chemical Safety and Security Risk Assessment and Processes
Safety Management



Chemical Safety and Security Programme for Laboratories

Buenos Aires, Argentina 16 -18, June 2015

Objective: Enhance the Good Laboratory Practices



Associate Programme 2015

The Hague, The Netherlands and other locations 23 July- 4
October 2015

Objective: Industry Outreach Programme



Chemical Safety Management

University of Wuppertal, Germany 2015

Objective: Process Safety Management for Industries



Chemical Safety and Security Management

Seoul, Republic of Korea, 21-23 October 2015

Objective:



Chemical Safety and Security Management for SAARC Member States

December 2015



Programmes for 2016



ORGANISATION FOR THE
PROHIBITION OF CHEMICAL WEAPONS

Working together for a world free of chemical weapons



Sound Chemical Management and Chemical Threat Reduction

Malaysia 2016



Chemical Safety and Security Practices

Armenia 2016



Chemical threat Reduction and Security Risk Assessment

Nicosia, Cyprus 2016 (EU Voluntary Contribution)



CWC and Chemical Safety and Security Management

Doha, Qatar 2016 (Qatar Voluntary Contribution)



Security Vulnerability Assessment and Chemical Threat Reduction

Reo De Janeiro, Brazil, May 2016



Behavioural Safety for Chemical Users 2016



Workshop for Chemical Societies/Institutes to Develop a Curriculum on Best Practices in Chemical Industries /Laboratories 2016



Analytical Skills Development Course (ASDC) for African, Asian, GRULAC, Australia/ Pacific Island Regions



Improve safety /security accountability and oversight to prevent chemical accidents



Improve training and awareness



Provide proper protective equipment and monitoring



Improve safety and security culture in chemical industries



Conduct unannounced safety/security inspections



Submission of Information Regarding National Programmes Related to Chemical Safety, Security and Chemical Threat Reduction According to Article XI of the Chemical Weapons Convention.



Thank you

Please visit

www.opcw.org

Contact us: icb@opcw.org