

# Interactive Seminar on “Safety in the use of Chemicals” Wednesday the 10<sup>th</sup> September, 2014



Organized by  
**The Institution of Engineers Pakistan  
Karachi Centre**

## Introduction of IEP

The Institution of Engineers Pakistan (IEP) was established in 1948. It is the premier national body of engineers for the advancement of the Engineering Profession. It has headquarters at Lahore and centres in all the major cities of Pakistan as well in Riyadh Saudi Arabia & Bahrain. IEP has signed technical collaboration agreements with 39 National Professional Engineering Organizations throughout the world. IEP is also member of six International / Regional engineering bodies and it has the honor to represent Pakistan in these forums.

Main function of IEP is the advancement of engineering profession by organizing conferences, congresses, seminars, workshops, technical lectures on various disciplines of engineering and current hot issues, also visits to construction sites and factories of special interests.

IEP Karachi Centre is arranging an **Interactive Seminar on “Safety in the use of Chemicals”** on **Wednesday the 10<sup>th</sup> September, 2014 at 10:00 am to 6:00 pm** at IEP Convention Centre 5<sup>th</sup> Floor, IEP Building, Shahrah-e-Faisal, Karachi

## About the Seminar

### 1. General Provisions

- 1.1 Objective
- 1.2 Application
- 1.3 Definitions

### 2. General Obligations, Responsibilities and Duties

- 2.1 Role and obligations of the competent authority
- 2.2 General responsibilities of employers
- 2.3 General duties of workers
- 2.4 General responsibilities of suppliers
- 2.5 Rights of workers
- 2.6 Confidential information
- 2.7 Cooperation

### 3. Classification Systems

- 3.1 General
- 3.2 Criteria for classification
- 3.3 Method of classification

## 4. Labeling and Marking

- 4.1 General
- 4.2 Nature and type of marking
- 4.3 Nature and type of labeling
- 4.4 Transfer of chemicals

## 5. Chemical Safety Data Sheets

- 5.1 General
- 5.2 Provision of information
- 5.3 Content

## 6. Operational Control Measures

- 6.1 General principles
- 6.2 Procedures for assessment
- 6.3 Review of assessment
- 6.4 Elimination
- 6.5 Control measures for chemicals hazardous to health
- 6.6 Control measures for flammable, dangerously reactive or explosive chemicals
- 6.7 Control measures for the storage of hazardous chemicals
- 6.8 Control measures for the transport of chemicals
- 6.9 Control measures for the disposal and treatment of chemicals
- 6.10 Programme for action

## 7. Design and Installation

- 7.1 General Principles
- 7.2 Local exhaust ventilation
- 7.3 General ventilation
- 7.4 Elimination or control of sources of ignition

## 8. Work Systems and Practices

- 8.1 General Principles
- 8.2 Review of works system and practice

## 9. Personal Protection

- 9.1 Personal Protective equipment
- 9.2 Respiratory protective equipment
- 9.3 Protective clothing
- 9.4 Cleaning and maintenance of personal protective equipment and clothing
- 9.5 Welfare facilities and personal hygiene

## 10. Information and Training

- 10.1 General Principals
- 10.2 Review

11. **Maintenance of Engineering Control Measures**

- 11.1 General Principles
- 11.2 Local exhaust ventilation

12. **Monitoring in the Workplace**

- 12.1 General Principles
- 12.2 Measuring methods
- 12.3 Monitoring strategy
- 12.4 Record keeping
- 12.5 Interpretation and application of monitoring data

13. **Medical and Health Surveillance**

- 13.1 General Principles
- 13.2 Use of results
- 13.3 Keeping of medical records

14. **Emergency Procedures First Aid**

- 14.1 Emergency procedures
- 14.2 First aid
- 14.3 Firefighting

15. **Investigation and Reporting of Accidents, Occupational Diseases and other Incidents**

- 15.1 Investigation of accidents and other incidents
- 15.2 Reporting of accidents, occupational diseases and other incidents

**Annex: A possible approach for the protection of confidential information**

**For the Senior Engineers / Chief Executives:**

Industries Workers, Supervisors, Health and Safety Officers, Human Resource Officers, Managers

To understand the importance of Occupational Health, Safety & Environment aspects in terms of international obligations and their consequential impact.

To draft the safety policies and procedures; and to create awareness among the staff / workers.

To conduct studies related to the safety aspects for introducing new business operations comprising modern products or services.

Rehabilitation of the handicapped victims.

**Registration Fee is Rs. 2000/= per participant**



**Dr. Asad Jamal, MBBS, MPH, Student PhD Occupational Health, University of Turku, Finland**

MBBS Karachi 1979

MPH University of Kuopio Finland 2003

Diploma in hospital administration and human resource management

Student PhD Occupational Health, University of Turku, Finland since 2003

Work Experience: 28 Years.

1979-1980: HOUSE OFFICER

Department of Surgery: Jinnah Postgraduate Medical Centre Karachi.

Department of Medicine: Jinnah Postgraduate Medical Centre Karachi.

1981-1988 Occupational health physician Pakistan Petroleum Limited.

Job Duties at PPL included the routine duties of Medical Officer/Administrator Sui gas field hospital Sui.

1989-1990 Post Graduate Trainee Spencer's Eye Hospital

1990-2000 Primary Health Care Physician Ministry of Health, Saudi Arabia

2003-2005 Administrator Islamic Mission Trust Hospital

Assistant Professor, Department of Community Medicine-2004-2005

Primary Health Care Physician, Saudi Arabia 2005-Present



Since seats are very limited; registration will be on first-come-first-served basis. All nominations along with registration fee should reach Secretary, IEP Karachi Centre by Monday the 8<sup>th</sup> September, 2014 participants will be presented participation

**For further information please contact:**

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