

# SAFE USE OF CHEMICAL AT FACTORY

**Is your factory facing risks due to unsafe usage and controlling of chemicals?**

- ♦ Are you well-trained about the knowledge of health and environmental effects as well as fire and explosion hazards associated with unsafe usage of chemicals?
- ♦ Do you have deep understanding about the chemicals used at your factory: properties, storage methods, usage and elimination?
- ♦ Is your factory's chemical safety control system effective in risk assessment, problem prevention and solutions?

**To find the answers to the above questions, let's attend the training program.**

## CONTENT

### Part 1: Safe use of chemical

#### 1. Chemical hazards

- ♦ Chemical and Effects on human health
  - Chemical toxicity
  - Chemical effects on human health
- ♦ Fire and Explosion hazards

#### 2. Chemical Use Information

- ♦ MSDS (Material safety data sheet)
- ♦ CSDS (Chemical safety data sheet)
- ♦ ICSC (International Chemical Safety Cards)

#### 3. Storage – Usage – Elimination

- ♦ Chemical storage Warehouse
- ♦ Chemical tanks
- ♦ Chemical declaration data
- ♦ On-site chemical usage guidelines
- ♦ Chemical exposure
- ♦ Removed chemical solution preservation

#### 4. Prevention solutions

- ♦ Four principles of chemical safety control
- ♦ Monitoring and checking employee health
- ♦ Measuring environment
- ♦ Dealing with urgent issues
- ♦ First-aid

### Part 2: Develop an effective chemical safety control system

- ♦ Identify the effects and assess risk level of chemical used
- ♦ Chemical use regulations
- ♦ Set the objectives and develop control program
- ♦ Control the use of chemical
- ♦ Monitor, measure and assess the program's application
- ♦ Brainstorm solution and prevention plan

### Part 3: Summary and Action Plan

*※The above content is subject to change without prior notices*



## OBJECTIVES



- ➔ To increase the awareness of following safety instructions while using chemical in order to prevent health effects, and fire and explosion hazards.
- ➔ To deeply understand the instruction tables, methods of storing, using and eliminate chemical safely.
- ➔ To develop an effective chemical safety control system.

## TARGET



- ☒ Staff
- ☒ Middle-Management
- ☒ First-line Management
- ☐ Top-Management

## METHOD



**30% theory, 70% practice** through group discussions, presentations, case studies, role-playing, games, etc.



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