Chemical Handling Storage & Safe Lifting

Duration 5 Days

Introduction

Hazardous chemicals are very common in most industries today. This Safe Chemical Handling Training Program will assist you in recognizing where chemical hazards are present, understanding the information provided on labels, and choose the appropriate personal protective equipment (PPE). It provides the basic rules for safe chemical handling, use and storage requirements and an understanding of the basic concepts of toxicology. This training program is easy to edit with your company specific information.

Who Should Attend

- Senior managers, leaders and supervisors involved in the procurement, transportation, storage and handling of chemicals, but particularly hazardous chemicals,
- Operation, maintenance and inspection officers,
- Chemical process engineers, safety engineers, and
- Quality control specialists, including chemical laboratories

Course Objectives

Upon completion this program Participants will be able to:

- expanded their knowledge about hazards identification and demonstration in the working areas,
- increase their knowledge about chemicals classifications, handling including containment and labeling, storage, transportation and/or lifting strategies,
- Apply the proper working instructions and Standard Operating Procedures (SOP) in case of hazard chemicals handling,
- Select and organizing information, in order to deal with hazard chemicals,
- avoid any unexpected hazards affected by improper handling of chemicals,
- Participate emergency prevention planning and its preparedness in the are of hazard chemicals handling,

Course Outlines:

1. **Identifying chemical hazards**
    a. labeling system
    b. color code
2. **Hazard classes**
    a. Flammable
    b. oxide's
    c. toxic
    d. corrosive
    e. radiation
    f. biological
3. **Material Safety Data Sheets**
    a. Hazard diamonds
    b. Statement of hazard class
    c. UN Number
    d. Dangerous goods class
    e. Hazchem code
4. **The 'walk-through'**
5. **Measuring hazard**
    a. Environmental measures
    b. Biological measures
6. **Evaluating risk**
7. **Controlling risks**
    a. Elimination of the risk
    b. Isolation of the risk
    c. Minimizing the risk
    d. Monitoring the risk.
    e. How Do You Evaluate Your Risk
8. **Storage Requirements**
    a. Storage cabins
    b. Safety cans
    c. Fume hoods
    d. Refrigerators
    e. Other requirements
9. **Fire precaution and prevention**
10. **Protective clothing and emergency equipment**