

# LABORATORY SAFETY TRAINING

Course curriculum includes:

## **Introduction**

- Definitions
- Route of entry into the body
- Potential injuries and illnesses chemicals can cause
- Proper use, storage and disposal

## **Chemical Hazards Classification Systems**

- Chemicals (Hazard Information and Packaging for Supply) Regulations 2009-**CHIP Regulations**
- Global Harmonized System of Classification and Labelling of Chemicals (**GHS**)/ Classification, Labelling and Packaging of Substances and Mixtures (**CLP Regulations**)
- Comparison of CHIP and CLP/GHS Chemical Hazard Classifications

## **Control of Substances Hazardous to Health Regulations (COSHH) Approved Code of Practice**

- COSHH Risk Assessment
- Understanding the various sections of a MSDS COSHH Risk Assessment
- Prevention or control of exposure to substances hazardous to health
- Monitoring of exposure at the workplace

## **Exposure Limits**

- What are exposure limits?
- Existing exposure limits- ACGIH, OSHA, NIOSH, etc
- Applying exposure limits

## **Risks Related To Products**

- Inflammability
- Dangerous chemical reactions
- Hazards behaviour of fluids
- Operating Precautions

## **Hazards to Humans**

- Chemical risks
- Radioactive risk
- Electrical hazards
- Hearing risks

- Risks of everyday work

### **Hazard to Equipment**

- Equipment operating limits
- Utilities networks
- Equipment testing applications

### **Design and Development Laboratories Product Management**

- Laboratory design
- Product management:
- Segregation and disposal

### **Behavioral Health And Safety**

- Behavioral Safety
- Personal hygiene & responsibilities.
- Proper use of tools/equipment
- Risk Analysis & compliance procedures