



Chemical risks This module is dedicated to the microelectronics industries

Ref. EL511 7 hours, including 5 hours of virtual classes

COURSE OBJECTIVES

Recognize the risks tied to dangerous chemical and gaseous substances: properties, dangers, exposure modes, risks typology.

CLP (Classification, Labelling, Packaging) & Symbol awareness.

PPE Selection.

Site preparation & handling.

Know how to react to an incident.

AUDIENCE

Personnel working with or using chemicals.

INNOVATIVE TEACHING RESOURCES

Lectures and «hands-on» exercises.

Custom training manual.

Training modules can be developed to accommodate the students' work place.

Multiple choice questions at the start and end of the training.

MAIN TRAINER

Isabelle VERNET: 40-30 security engineer, specializing in maintenance, research activities and microelectronics.

DATE

The morning of 30 and 31 March 2021

The afternoon of 13 and 14 April 2021

Can be carried out on customer site or 40-30 for training specific to your company.

Sessions are scheduled throughout the year on request.

Sessions open from 3 registrants and limited to 6 participants.

PRICE PER PERSON

700 € HT

385 € HT from 3 people

On quotation for a training course specific to your company

PROGRAM

Start-up activity

Online quizzes, courses and videos

First virtual class, live with the trainer -3 hours

ELEMENTS FOR ANALYSIS

I. Dangerous chemical substances: properties, dangers, type of exposure and types of risk

1. Liquid and gas chemical substances: properties and dangers
2. Means of exposure (penetration channels, severe/ chronic exposure) and effects on health (limit values)
3. Types of risk and associated pictogram (including new SGH regulations)

II. Prevention and protective measures implemented on site

1. Notions of cause trees and responsibilities of actors
2. General preventive measures (suppression, reduction)
3. Work organization and protection of the operator (Operating mode, Collective and individual protective equipment)
4. Training and information available (workstation notices, Safety notices, labels, procedures...)
5. General safety instructions and first aid equipment

Individual training activities - 2 hours

Incompatibilities of products; study of safety data sheets
Online courses, videos and quizzes

Feedback on real or fictitious accidents [either resulting from the company's own accidents or "typical" accidents].

Case studies for selected work situations

Second virtual classroom -2 hours

III. Risks and safety instructions at the workstation (Practical Work)

Correction of case studies

Questions and Answers

Quiz on line

Work situations will be company specific or specific to the microelectronics industry, depending on the information made available to the trainer and the level of personalisation desired.

The participants are the actors in the analysis of their familiar work situations.

- They identify the dangers and assess the risks
- They describe the procedures, working and protection instructions implemented
- They validate the behavior in the event of an accident