FIRE – FIGHTING COURSE

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<th>SEMINAR SUBJECT</th>
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- Office, industry and work field workers,
- Fire fighters
- Safety officers and safety men

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<th>TARGET POPULATION</th>
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At the end of this training session, participants should be able to:

- Know all the probable causes of fire outbreak
- Identify the conditions able to cause fire outbreak
- Identify and know how to use a fire extinguisher
- Recognise signals used in case of fire
- Have the required behaviour to prevent fire outbreak
- Perform first basic intervention
- Be able to follow an emergency evacuation plan in case of fire outbreak
- Understand an alert and the organisation of an evacuation plan
- Reach the “Zero Accident” objective
- Be able to respect and follow the procedures

Concerning safety, the law needs that all workers should be able to recognize and use the different types of fire extinguishers according to the kind of fire.

“Using a fire extinguisher should be as common as using a phone.”

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<th>PEDAGOGIC ORIENTATIONS</th>
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- Exposes
- Workshop
- Practice

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<th>DURATION</th>
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2 days

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<th>DATE &amp; PLACE</th>
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AT YOUR CONVENIENCE
DEFINITE OBJECTIVES: At the end of this module, the participant should be able to:

- Know the difference between fire and fire outbreak.
- Know the regular causes of fire outbreak.
- Know what fire is made of (fire triangle).
- Know the conditions that can cause fire outbreak.
- Know the means of protection against fire outbreak.
- Know the different principles of fire extinction.
- Perform first aid intervention.
- Be aware of the damage that fire outbreak can cause.

MODULE 1 PROGRAM

I. INTRODUCTION
II. COMBUSTION, FIRE AND FIRE OUTBREAK
III. OXIDATION
IV. FIRE TRIANGLE
V. HOW DOES FIRE WORK?
VI. TYPES OF FIRE
   - Class A: Solid fire
   - Class B: Liquid fire
   - Class C: Gas fire
   - Class D: Metal fire

VII. PRINCIPLE OF FIRE EXTINCTION
     - Chemical process
     - Thermal process
     - Mechanical process

VIII. MEANS OF PROTECTION AGAINST FIRE OUTBREAK
IX. FIRST INTERVENTION: FIRST EMERGENCY
X. SECOND INTERVENTION: PROFESSIONAL FIRE-FIGHTERS
MODULE 2

MOBILE FIRE EXTINGUISHERS

DEFINITE OBJECTIVES: At the end of this module, the participant should be able to:

- Identify classes of fire.
- Identify the different types of fire extinguishers.
- Be able to use them according to the classes of fire.
- Fight efficiently against fire with a fire extinguisher.
- Know the limits of his/her fire extinguisher.
- Identify the useful/suitable means of extinction for each type of fire.
- Reach the “Zero Accident” objective.

MODULE 2 PROGRAM

I. INTRODUCTION
II. DEFINITIONS
III. RULES
IV. FIRE EXTINGUISHERS FUNCTIONING
   a. Extinguishers with permanent pressure
   b. Extinguishers with auxiliary pressure
V. CATEGORY OF FIRE EXTINGUISHER
   Different extinguishing agents
VI. USE OF FIRE EXTINGUISHERS
   Use in terms of quality and quantity

VII. MAINTENANCE AND VERIFICATION OF FIRE EXTINGUISHERS
VIII. PROFESSIONAL FIRE-FIGHTERS INTERVENTION
MODULE 3

WORK SITES FIRE OUTBREAKS

DEFINITE OBJECTIVES: At the end of this module, the participant should be able to:

- Identify the probable origin of fire.
- Prevent from spontaneous inflammation.
- Recognise combustible material in the work environment.
- Have the required behaviour and reflexes in order to prevent from accidental fires.
- Live in safety in high risk zone.

MODULE 3 PROGRAM

I. INTRODUCTION

II. PLAUSIBLE ORIGIN OF FIRE
   A. Mechanical origin
   B. Electrical origin
   C. Hydrocarbons
   D. Negligence and ignorance

III. SOME EXAMPLES OF WORK SITES FIRES

IV. INDUSTRIAL FACTORIES

V. OFFICES
   a. Causes
   b. Consequences

VI. PREVENTION AND PROTECTION
   a. Dispositions
   b. Equipment

VII. SPONTANEOUS INFLAMMATIONS

VIII. FRICTION

IX. BASIC PROCEDURES FOR FIRE-FIGHTTING AND PREVENTION
DEFINITE OBJECTIVES: At the end of this module, the participants should be able to:

- Recognise sound signals used in case of fire outbreak.
- Follow attentively the evacuation plan in case of fire outbreak.
- Adopt the required behaviour in case of fire outbreak.
- Know what to avoid in case of fire outbreak / what should never be done.
- Know who to follow and where to go.
- Adopt the required behaviour at the muster point.

MODULE 4 PROGRAM

I. INTRODUCTION
In case of fire outbreak in a building, or a vehicle, the procedure is complete evacuation of all the persons.

The objective is to prevent dangers related to fire outbreak:
- Smokes
- Rapid propagation of fire
- Explosion
- Fall of material

II. HOW TO BEHAVE BEFORE LEAVING THE BUILDING

III. FORBIDDEN BEHAVIOUR

IV. AT THE MUSTER POINT

V. CONCRETE MEANS

- An evacuation plan giving the procedures to follow
- A luminous signs showing the emergency exit and doors leading outside
- A means of sound alarm (sirens)
- A identification of the muster point / assembly point
- Fire extinguishers
- Specific equipments

VI. ALERT ORGANISATION

VII. EVACUATION ORGANISATION

VIII. EVACUATION PROCEDURES
MODULE 5

PRACTICE

1. Identification and classification of fire extinguishers
2. Use and handling of fire extinguishers
3. Fire extinguishing exercises.

NB: Fire extinguishers used during the training course are at the expense of your company.