

# Fire Safety

## GENERAL DISCUSSION

It's hard to imagine what it would be like to live without fire. Think about it. Yet fire can be one of our deadliest enemies. It can mutilate us, kill us, and destroy in a few minutes what took a lifetime to build. Fire can take away our work places and our jobs.

How can fires be stopped? The answer is control. But to control fires we must understand them and know how to deal with them. Fire needs three elements to exist fuel, oxygen and heat. To understand the relationships, think of each as separate sides of a triangle. Fire needs all three elements in the proper proportions to exist. If one side of the triangle is removed, the fire will go out. For fuel to ignite oxygen must be present; then heat must be applied until the combustion point is reached. When this point is reached, the fuel will ignite with the oxygen, consuming both fuel and oxygen and giving off heat. If the oxygen is removed, the fire is smothered. If the fuel is removed, there's nothing left to burn. Oxygen? By itself, will not burn. If the heat is lowered below the combustion point, the fuel and oxygen will not unite and the fire will go out.

For your safety and the safety of your co-workers you should know where fire extinguishers are located and how to use them properly.

### **Instructor**

Bring fire extinguisher to the meeting and demonstrate how to use it. Review your company's fire record and discuss it with employee. Describe the fire protection available at your company, where fire extinguishers are located and evacuation procedures.

The most important thing to remember about fire extinguishers is that you must use the correct type for each kind of fire:

1. Class A fire, combustible, Such as wood, paper and clothe.
2. Class B fires, flammable liquids.
3. Class C fires, electrical.

There are several types of fire extinguisher: foam, carbon dioxide, soda acid, pump tank, gas cartridge, multipurpose dry chemical and ordinary dry chemical.

Most extinguishers have labels that list the type of fires that they can be used for.

The most common extinguisher is the multipurpose dry chemical type. It can be used for any class of fire. However, if the tag on the extinguisher is not labeled ABC, you must know the type of fire the extinguisher can be used on.

Class A fires:

1. Foam
2. Soda Acid
3. Pump Tank (contains plain water)
4. Gas Cartridge (water expelled by carbon dioxide gas)

Class B fires:

1. Foam
2. Carbon Dioxide
3. Multipurpose Dry Chemical
4. Ordinary Dry Chemical

Class C fires:

1. Carbon Dioxide
2. Multipurpose Dry Chemical
3. Ordinary Dry Chemical

Remember, it's important to use the correct type of extinguisher for the fire at hand. You should not use a water type extinguisher for a flammable liquid fire because it would cause the fire to spread. And you would not use this type of extinguisher on an electrical fire because this would expose you to a serious or fatal shock.

For your safety and the safety of your co-workers:

1. Know where fire extinguishers and fire alarm boxes are located. Keep these areas free of debris.
2. Store all flammable liquids in approved safety containers.
3. Observe no smoking signs at all times.

Fire is an essential part of our live. We cannot do without it, but we must stop unwanted fires that can destroy our buildings, lives and job. Never take the attitude that any building is fireproof or that fires won't happen. Do what you can to prevent fires, but always be prepared by knowing what actions to take if one

occurs. Good teamwork is a must. To prevent fires we must all work together.

## **GENERAL SAFETY REVIEW**

This is a time to review all safety concerns, not just today's topic. Keep your notes on this page before, during and after the safety meeting.

Are you aware of any safety hazards from any other crews? Point out any hazards other crews are creating that this crew should know about. Tell the crew what you intend to do about those hazards.

Do we have any other safety business? Discuss any past issues or problems. Report any progress of investigations and action taken.

Have there been any accidents, near misses or complaints? Discuss any accidents, near misses, and complaints that have happened since the last safety meeting. Also recognize the safety contributions made by members of the crew.

Please remember, we want to hear from you about any health and safety issues that come up. If we don't know about problems, we can't take action to fix them.

## **ENDING THE MEETING**

Circulate Sign-Off Form.

Assign one or more crew member(s) to help with next safety meeting.

Refer action items for follow-up. (Use the sample Hazard Report Form in the Reference Section of this binder, or your company's own form.)

Do you have any Safety Recommendations?

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Do you have any Job Specific Topics you would like us to discuss?

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Have you reviewed the M.S.D.S Sheet for this safety topic? Yes\_\_\_\_ No\_\_\_\_

N/A\_\_\_\_

**Comments:**

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