

CSULB FOUNDATION

FIRE PREVENTION & SAFETY

What Causes Fire?

Fire is a chemical reaction

Fire requires 3 elements to exist

1. Oxygen
2. Fuel
3. Heat

This is known as the fire triangle. Remove any one of the elements, and there is no fire.

Classes of Fire

Class A Fire- Fire in ordinary combustible materials.

Class B Fire- Fire in flammable liquids

Class C Fire- Fire in energized electrical equipment

Classes of Extinguishers

Class A extinguishers- For ordinary combustible materials

Class B extinguishers- for flammable liquids

Class C Extinguishers- For energized electrical fires

Match the extinguisher class to the fire

Multi purpose extinguishers: A B C extinguishers will work on all classes –2A: 10BC

Operation

- Report emergency first! (9-1-1)
- Evaluate the size of the fire
- **Do not** attempt to fight a fire larger than one cubic yard (A campus trash can or desk chair for example). 2A: 10BC- (2 cubic yards A: 10 cubic yards B&C fires)
- **Do not** let the fire get between you and your exit.
- Get no closer than five feet for CO2 or 15 feet for dry chemical.

HOW TO OPERATE FIRE EXTINGUISHER: **PASS**

- **P**ull the pin
- **A**im at the base of the fire
- **S**queeze the trigger
- **S**weep from side to side