



FIRE EXTINGUISHER SAFETY

Talking Points:

Fire Extinguisher Classes

1. **Class A:** For ordinary combustibles like wood, paper, and cloth.
2. **Class B:** For flammable liquids such as gasoline, oil, and grease
3. **Class C:** For electrical fires involving appliances, wiring, and electrical equipment.
4. **Class D:** For combustible metals like magnesium, titanium, and sodium.
5. **Class K/F:** Specifically for kitchen fires involving cooking oils and fats.

Types of Fire Extinguishers

Water Extinguishers:

Use: Effective for Class A fires involving solid materials like wood, paper, and textiles.

How it works: Cools the fire by absorbing heat. Not suitable for flammable liquids or electrical fires as it can spread the fire or conduct electricity.

Foam Extinguishers:

Use: Suitable for both Class A and Class B fires (flammable liquids like gasoline).

How it works: Forms a barrier between the fuel and oxygen, smothering the fire. They are versatile but not recommended for electrical fires.

Carbon Dioxide (CO2) Extinguishers:

Use: Best for Class B and C fires.

How it works: Displaces oxygen, effectively smothering the fire without leaving residue. Ideal for electrical fires but less effective on Class A fires.

Dry Powder Extinguishers:

Use: Multipurpose, effective against Class A, B, and C fires (flammable gases and electrical fires).

How it works: Discharges a fine powder that smothers the fire and interrupts the chemical reaction. However, they can create a mess and may not be suitable for confined spaces due to inhalation risks.

Wet Chemical Extinguishers:

Use: Specifically designed for Class K fires (cooking oils and fats), commonly found in commercial kitchens.

How it works: Releases a fine mist that cools and smothers the fire, preventing splashing and re-ignition.

HOW TO USE A FIRE EXTINGUISHER



Remember the **PASS** word
(**P**ull - **A**im - **S**queeze - **S**weep)

P

PULL - Pull the Pin

Break seal and test extinguisher

A

AIM - Aim at the base of fire

Ensure you have a means of escape

S

SQUEEZE - Squeeze the operating handle

To operate extinguisher and discharge the agent

S

SWEEP - Sweep from side to side

Completely extinguish the fire

For more safety tips and courses, visit ndsc.org

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