

3f. Identify safety practices when working with or around portable fire extinguishers with at least 80% accuracy.

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Ø Overview

Ø Hazards

Ø Safety Practices

Ø Classification of Materials

Ø Classification of Fire Extinguishers

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Ø Fire extinguishers

Ø Hazards

- Ø Exposure to toxic agents

 - Ø Breathing fumes from extinguishers or fire

- Ø Skin contact to toxic liquids

- Ø Severity depends on chemical, concentration and condition of use

- Ø Fires consume oxygen and produce high heat – causes burns

3f. Identify safety practices when working with or around portable fire extinguishers with at least 80% accuracy.

Ø Safety practices

- Ø Fire Extinguisher is first line of defense in a fire
- Ø Must have a minimum one for every two aircraft
- Ø At least one fire extinguisher near when operating AGE

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Ø Safety practices

Ø Prior to fire

Ø Check for broken seal

Ø Check gauges for servicing

Ø Know how to use extinguisher

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Ø After fire started

- Ø Evacuate unnecessary personnel from area
- Ø Call fire department
- Ø Is the fire small enough to stay and fight?
- Ø Have a way out (escape) if fire gets out of control

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Ø Fighting the fire

Ø Stay upwind when fighting fire

Ø Aim nozzle at the base of the flame

Ø Use sweeping motion

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Ø Classifications of fire

Ø **Class A** = Ordinary Combustibles

Ø Wood

Ø Paper

Ø **Class B** = Flammable Liquids

Ø Gasoline

Ø Oil

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Ø Classifications of fire

Ø **Class C** = Electrical Equipment

Ø Fuse boxes

Ø Appliances

Ø **Class D** = Combustible Metals

Ø Magnesium

Ø Titanium

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Ø Use correct agent for the class of fire

Ø Water – Class A only

Ø Dry chemical agents – suitable for class A, B, or C

Ø Extinguisher will be marked

Ø Can be eye irritant

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Ø Use correct agent for the class of fire

Ø Carbon dioxide – suitable for class B or C

Ø Displace oxygen

Ø Reduce visibility

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Ø Use correct agent for the class of fire

Ø Halon – used for Class A, B or C

Ø 1211 considered toxic, do not inhale

Ø 1301 relatively non-toxic except at high concentrations

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Complete exercise 3f