

14.1 Performers. All performers shall act in accordance with 8.1.2.

14.1.1 Capable.

14.1.1.1* Performers shall perform in accordance with 8.3.

A.14.1.1.1 Fire breathers who use ethanol should be aware that alcohols might be absorbed through the mouth during the performance leading to possible intoxication. Multiple performances should be spaced appropriately to ensure sobriety.

14.1.1.2 Each performer shall be physically capable of executing their performance.

14.1.1.3 At least one cast member shall be designated as the flame effect operator and comply with Chapter 8.

14.1.2 Practice.

14.1.2.1 Each routine shall be rehearsed in costume with fire prior to the initial performance before an audience or after any change in the performance is made.

14.1.2.2 The flame effects operator shall confirm the cast members and routine is ready for performance before an audience.

14.2 Safety Personnel. Each performance and rehearsal with fire shall have at least one spotter.

14.2.1 Spotters.

14.2.1.1 Spotters shall be in charge of onstage and backstage fire safety, including emergent and intentional wick extinguishing.

14.2.1.2 Spotters shall be aware of the aspects of fire performance and familiar with the routine to be performed.

14.2.1.3* Spotters shall be trained in flame extinguishing, reaction times, equipment control, and audience control.

A.14.2.1.3 Reaction times in relation to this requirement is the time it takes the spotter to react to fires and related hazards.

14.2.1.4 Spotters shall be attentive and have a clear view and unobstructed access to the hazard they are responsible for.

14.2.2 Equipment.

14.2.2.1* Intentional extinguishing shall be accomplished using suitable materials.

A.14.2.2.1 Suitable materials can be a safety towel or damp cloth, flame-treated cloth, or high-heat material.

14.2.2.2 Spotters shall comply with 7.10

14.2.2.3 Spotters shall have a safety towel at all times.

14.2.2.4 Spotters shall have an unobstructed access to the fire extinguishers required in 16.3.2

14.3 Fire Props.

14.3.1 Fire Props Fire Props shall be tested prior to each use to verify they operate in accordance with their **intended use**.

14.3.1.1 Any defect found in the fire prop shall be repaired or replaced.

14.3.2 Wicks

14.3.2.1 A wick shall be fire resistant, absorbent material intended to temporarily store and convey fuel to the flame effect during the performance.

14.3.2.2 Wicks shall be attached to the fire prop such that they cannot be forcibly removed from the prop

14.3.2.3* Wick material shall be made in such a way as to prevent loss of any part during use.

A.14.3.2.3 Typically this is achieved by using fireproof materials in construction.

14.3.3 Handles

14.3.3.1* Shafted fire props shall either be made of fire resistant materials or have a fire resistant covering that extends at least 4 in. (100 mm) beyond the anticipated flame contact zones.

A.14.3.3.1 Shafted props can include clubs or staffs.

14.3.3.2 Handles shall be attached to the fire prop such that they cannot be forcibly removed from the prop

14.3.3.3 Chain grips shall be made of non-combustible materials

14.3.4 Connectors.

14.3.4.1* Connectors shall be constructed to prevent inadvertent separation from the wick and handle.

A.14.3.4.1 Connectors that could be exposed to heat should be made of steel. Connectors that could be exposed to heat should not be made of plastics, drop forged metal, or spring metal.

14.3.5 Fueling. Fire props shall be fueled so that excess fuel can be completely recovered and returned to approved storage containers.

14.3.5.1* Excess fuel shall be removed in an approved area.

A.14.3.5.1 An approved area is an area away from foot traffic, well ventilated, free of ignition sources, and have some method to catch excess fuel. When practicable, attachments should be used to catch fuel before it hits the ground.

14.3.5.1.1 Excess fuel that has been removed shall be in accordance with NFPA 30.

14.3.5.2 Fuel residue shall be removed immediately following the performance.

14.3.5.2.1 Fuel soaked waste shall be stored and disposed of in accordance with the manufacturer's instructions as well as in compliance with venue and local regulations.

14.3.5.3 Fire props shall cooled to ambient temperature before fueling.

14.4* Fuels. Safety Data Sheets [SDS] shall be available for all fuels and hazardous chemicals used.

14.4.1 Storage

14.4.1.1 Fuel shall be stored in accordance with NFPA 30

14.4.2 Fueling Area.

14.4.2.1 All fueling shall take place in an approved fueling area.

14.4.2.2 Designated fuel stations shall be attended by the flame effect operator, or spotter until the hazard is removed.

14.4.2.3 Fuel containers and dip buckets shall be sealed when not in use.

14.4.2.4 The fuel area shall be placed outside or in an approved area.

14.4.2.4.1 There shall be an unobstructed path from the fueling area to the performance area.

14.4.2.4.2 Fuel soaked wicks shall not be permitted to be moved through the audience without at least one spotter.

14.4.2.4.2 Audience shall be prohibited within 30 ft (10 m) of the fueling area.

14.4.2.4.3 Smoking and other sources of ignition shall be prohibited within 30 ft (10 m) of the fueling area.

14.4.3 Performance Area Fueling.

14.4.3.1* If a reserve of additional fuel is necessary for the performance, procedures shall be established to reduce the possibility of accidental spills.

A.14.4.3.1 Tip resistant, metal containers with self-closing lids are preferred.

14.4.3.2 Unused fuel shall be removed immediately following the portion of the performance requiring refueling.

14.5 Performance.

14.5.1 Separation.

14.5.1.1 Separation between the performer and the audience shall be maintained to prevent flame contact with audience members as approved by the AHJ.

14.5.2 Performance Area.

14.5.2.1* The performance area shall be free of flammable or combustible materials, or materials shall be treated with approved fire-retarding chemicals and tested for combustibility in an approved manner.

A.14.5.2.1 An approved method might be in accordance with NFPA 705.

14.6 Post Performance Procedures

In addition to the post performance procedures required in 14.1 through 14.5 requirements, 14.6 shall be followed for post performance procedures.

14.6.2 Fire props shall be cooled to ambient temperature before storage or transportation post performance.