

Truan Jay Mathias

Contact Juggler - Fire Artist - Entertainer

RISK ASSESSMENT

‘Great Balls of Fire’ Street Theatre Fire Show

Hazard	Persons at Risk	Likelihood	Severity	Hazard before control measures	Measure to control risk	Likelihood	Severity	Residual Risk
Equipment Failure	Audience	3	4	12	Sturdy construction of equipment and high quality materials used. Regular checks of equipment. Pre-show risk assessment. Reinforced nylon safety straps worn with chain retainers. Safe distance of 3M from performer to audience.	1	4	4
Loss of grip	Audience	3	4	12	Reinforced nylon safety wrist straps worn with chain retainers. Safe distance of 3M from performer to audience. Safety check before show	1	4	4
Clothing catching on fire	Performer Audience	4	5	20	No loose clothing worn that could get caught. Avoidance of most highly flammable materials. (i.e. nylon and fleece) Fire blanket and fire extinguisher readily available. Using low temperature burning fuel.	1	5	5
Hair catching fire	Performer Audience	3	5	15	Long hair is tucked into clothing or tied back. Fire blanket and fire extinguisher readily available. Safe distance of 3M from performer to audience.	1	5	5

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Fumes and smoke from extinguished equipment	Performer Audience	6	2	12	Fire bucket for used fire equipment, covered with damp cloth and fire blankets to kill smoke. Safe distance of 3M from performer to audience.	2	2	4
Excess paraffin falling from fire equipment during show.	Audience	6	4	24	All excess paraffin is removed from fire equipment prior to show and each use. Safe distance of 3M from performer to audience.	2	4	8
Burns from flames and hot equipment	Performer	6	5	30	Performers are trained to handle equipment responsibly. Hot metal parts are avoided. Fire blanket and fire extinguisher readily available. First Aid Burns Kit on site to treat any burns immediately. Using low temperature burning fuel.	1	5	5
Paraffin spillage	Performer Audience	5	4	20	Paraffin kept in appropriate metal or plastic containers. Paraffin kept in separate area to equipment	2	4	8
Strains, sprains, pulled muscles and other damage to body.	Performer	5	5	25	Full warm-up and stretch prior to each show.	2	5	10
Volunteer injury	Performer Audience	5	4	20	All sections of the show featuring a volunteer are well rehearsed and prepared. Tricks performed are well within performer's capability.	2	4	8

Severity				Likelihood					100-48	Risk unacceptable
Multiple death	10	3 Day injury	4	Certain	10	Possible	4		40-32	Risk reduction necessary
Single Death	8	Minor Injury	2	V.Likely	8	Unlikely	2		24-16	Control measures essential
Major Injury	6			Probable	6	V Unlikely	1		12-2	Monitor