

<b>Participant</b>
<b>Frenetic Engineering</b>

# HEALTH & SAFETY Risk Assessment

**Department**

<b>Activity</b>	Fire Performance – Generic Fire Show & Meet & Greet
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### Description of operation

Manipulation of fire props – clubs, poi, staffs hula hoop and other props  
Dancing  
Fire Eating & Body Burning  
Use of Fire Pots

### Who is affected by this operation?

<b>Staff</b>		<b>Students</b>		<b>Public</b>	*	<b>Pregnant Women</b>		<b>The performer</b>	*
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Description of hazards / risks	Likelihood	Severity	Risk Factor	Risk (before precautions have been taken)
1) Burning one's self or other performer	2	3	6	LOW - Unlikely
2) Dropping fire prop	3	3	9	MEDIUM - May Occur
3) Setting fire to venue/décor/costume/public	1	6	6	LOW - Very Unlikely
4) Crazy audience member running into flames	1	4	4	LOW - Very Unlikely
5) Exploding fuel container	1	4	4	LOW - Very Unlikely
6) Equipment failure	2	4	8	MEDIUM - Unlikely
7) Performer slipping on stage	3	2	6	LOW - May Occur
8) Fire pots burning performer or member of public	1	4	4	LOW - Very Unlikely
9) Performer receiving physical injury through physical performance/dance	3	3	9	MEDIUM – May Occur

### Recommended precautions

- Wet towels present during performance in case of catching one;s self alight and for putting out fire pots
- Wearing appropriate costume that is fire proofed and cannot become tangled in equipment
- Any materials used for decoration are treated with fire-proofing (booker's responsibility)
- Water fire extinguisher(s) available to stewards(booker to provide)
- Booker to provide steward(s) at the perimeter of performance.area with water fire extinguishers and trained in the use of them.
- Performers and all fire a safe distance from public access.
- No audience participation
- Fuel stored in container with a secure lid - always away from open flames and public access
- Public to be a safe distance from fire (3 m) – booker to provide barriers/hazard tape where necessary
- Fire pots to be safe distance from audience and performers – performers trained in safe use of fire pots
- Fire performers are trained in use of their equipment so this activity is very safe and accidents are very unlikely.
- Fire performers are trained in extinguishing flame and emergency procedure
- Fire performers are trained in safe dipping station rules.
- No open flames near the fuel container.
- Only small amounts of fuel left out at a time and a safe distance away from flames and the public.
- Always replace lid on fuel container,
- Keep dipping station away from public access and naked flame
- All performers are Insured up to £2,000,000
- Booker to provide barriers/hazard tape where necessary.
- Booker to allocate a safe area near performance area where fire props can be dipped and shaken – the residue of this will evaporate but must be away from public in case of slip hazard
- Any performers following the fire performance to be made aware by booker/stage manager there may be a residue of slip hazzard (paraffin on the stage) – stage managers to be aware of this and clean/ wipe stage if necessary after performance
- All performers to be aware that residue on stage may be slippery – wear appropriate non slip footwear
- Booker to provide a lockable/secure room away from public access for storage of fuel.
- Where possible performer to wear safety straps on equipment – poi/clubs to reduce possibility of dropping props
- Equipment to be visually checked before performance
- Performers to be provided warm dry space for warming up/changing and to wait between shows
- Performers to warm up appropriate muscle groups before performance

**All involved to be aware of possible hazards and be vigilant at all times.**

Description of hazards / risks	Likelihood	Severity	Risk Factor	Risk (after precautions have been taken)
1) Burning one's self or other performer	1	3	3	LOW – Very Unlikely
2) Dropping fire prop	2	3	6	LOW – Unlikely
3) Setting fire to venue/décor/costume/public	1	6	6	LOW – Very Unlikely
4) Crazy audience member running into flames	1	4	4	LOW – Very Unlikely
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6) Equipment failure	1	4	4	LOW – Very Unlikely
7) Performer slipping on stage	2	2	4	LOW – Unlikely
8) Fire pots burning performer or member of public	1	4	4	LOW – Very Unlikely
9) Performer receiving physical injury through physical performance/dance	2	3	6	LOW - Unlikely

<b>Details of further action required</b>
First aid kit including burn specific products to be nearby in case of minor injury.

<b>Assessed by</b>	Annabelle Holland	<b>Position</b>	Director				
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<b>Likelihood</b>	<b>1</b> Very unlikely	<b>2</b> Unlikely	<b>3</b> May occur	<b>4</b> Likely	<b>5</b> Very likely	<b>6</b> Will occur
<b>Severity</b>	<b>1</b> Very minor injury	<b>2</b> Minor injury	<b>3</b> Lost time to injury	<b>4</b> Major injury	<b>5</b> Single fatality	<b>6</b> Multiple fatality
<b>Risk Factor 0-6 Low</b> <b>Risk factor above 6</b> <b>Improve if possible</b>				<b>Risk Factor 7-17 Medium</b> <b>Risk factor above 12</b> <b>Further action required</b>		<b>Risk Factor 18-36 High</b> <b>Immediate action required</b>

**Multiply Probability x Severity to obtain Risk Factor**

This is general Risk Assessment – if you would like a more detailed specific Risk Assessment tailor made to your venue we can make a site visit. We will have to charge for this.

If we are using other equipment and other disciplines at your request we can provide a more specific version for your tailor made show.