

## Risk Assessment – Science of Magic

<b>Creator/Reviewer of Risk Assessment</b>	<b>Name</b> Ian Snell
	<b>Signature</b> 
<b>Next Review Date</b>	September 2020

Severity	Likelihood	Risk Rating* (S x L)
1 No or Little Harm	1 Unlikely	1-5 Low
2 Minor/First Aid	2 Possible	6-10 Medium
3 Medical Attention	3 Probable	10+ High
4 Hospitalisation	4 Likely	
5 Death/Irreparable Injury	5 Certain	

<b>Science Oxford Risk Assessment</b>			Severity	Likelihood	Risk Rating*
Hazard	Risk	Control Measures			
Water spillage	<b>Everyone</b> Spills of water might lead to slips and falls	Presenter to be careful with water, and have blue roll on hand to wipe up spills on floor	2	1	2
Consuming materials	<b>Volunteers</b> Swell gel could continue to swell in the stomach	Do not allow swell gel to be consumed; trick should be removed from near volunteers during blindfold section of show	2	1	2
	<b>Volunteers</b> Extremely salty water could cause vomiting and/or dehydration if ingested	Do not allow saltwater to be ingested Drink plenty of freshwater if ingested	2	1	2
General	<b>All</b> Sharp tip of screw could cause a minor injury Wooden board could leave splinters	Board should be checked for splinters before use Volunteers should not be given access to board or screw	2	1	2
Hydrogen peroxide	<b>All</b> 30% hydrogen peroxide is corrosive and a powerful oxidiser	Remove from contact with combustible material e.g. flammable vapours, paper, wood dust and gases. Use gloves and safety glasses when setting up. Keep well away from audience at all times. Store bottle securely out of sight. If spilled on skin, wash off with copious amounts of water. Remove and wash contaminated clothing.	3	1	3
	<b>All</b> Reaction creates a lot of heat; potential burns	Do not handle reaction vessel from the bottom. Do not allow audience to handle reaction vessel after show.	2	1	2
<b>See reverse for emergency action</b>					

Please use this risk assessment in conjunction with your own prior assessments and dynamic management of risk.

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### Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>)

<http://science.cleapss.org.uk/resource/SSS057-Hydrogen-peroxide.pdf>

#### Emergency action

- In the eye
  - Flood the eye with gently-running tap water for 10 minutes. See a doctor.
- Swallowed
  - Do no more than wash out the mouth with water.
  - Do not induce vomiting.
  - Sips of water may help cool the throat and help keep the airway open.
  - See a doctor.
- Spilt on the skin or clothing
  - Flood the area with plenty of water.
  - Remove contaminated clothing and soak it.
  - If a large area is affected or blistering occurs, see a doctor.
- Spilt on the floor, bench, etc
  - For large spills, and especially for (moderately) concentrated solutions, cover with mineral absorbent (eg, cat litter) and scoop into a bucket.
  - Dilute with at least ten times its own volume of water.
  - Rinse the floor etc with plenty of water.
  - Wipe up small amounts with a damp cloth and rinse it well.

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