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## RISK ASSESSMENT

Event: States of Matter Workshop

Date:

<b>Likelihood: how likely is it that the harm presented by the hazard will actually occur?</b>	<b>Severity: what impact or damage could the harm presented by the hazard have on a person or persons?</b>
<b>High (3):</b> Harm is certain, or near certain, to occur	<b>High (3):</b> Death or major injury
<b>Medium (2):</b> Harm will often occur	<b>Medium (2):</b> 7 day injury or illness
<b>Low (1):</b> Harm will seldom occur	<b>Low (1):</b> All other injuries or illnesses

**Risk rating:** Once the likelihood and severity have been determined, the risk can be calculated as shown below:

	Likelihood		
Severity	3	2	1
3	High	High	Medium
2	High	High	Medium
1	Low	Low	Low

<b>Hazard</b>	People affected	Risk Rating (L x S = R)			Control Measures	Residual Risk Rating (L x S = R)			
<b>Dry Ice</b>		<b>Assessor: DGH</b>			<b>Date: 21/11/2013</b>				
Canister having failed to launch could hit someone's face	Audience and Presenter	L	L	L	If the canister fails to launch after a full 2 minutes the Presenter and not guests should return to the canister and pick it up with one out stretched arm so his/her face is not over the canister. The canister can then be safely disarmed	L	L	L	
Canister could hit a member of the audience	Audience	L	L	L	Canister must never be pointed at anyone	L	L	L	
Dry ice can quickly sublime into CO2 which can reduce oxygen levels causing drowsiness	Audience and Presenter	L	H	M	A presentation in a small room must have adequate ventilation. In the event of drowsiness evacuate everyone to another area or outside. Open windows and ventilate room or move dry ice to a ventilated space	L	L	L	
Smoke Alarm can be set off by dry ice	Everyone in the building				Ensure that dry ice mist is away from any smoke alarm or any smoke alarm is disarmed if dry ice is being used				
Audience member may consume a lump of dry ice	Audience	L	L	L	Ensure dry ice is fully sublimated and instruct audience to spit out any lump should any be found	L	L	L	
Can cause dry ice burns	Audience and Presenter	L	L	L	Eye protection and work gloves must be worn by anyone within 1 M of the dry ice unless dry ice is under water	L	L	L	

<b>Hazard</b>	People affected	Risk Rating (L x S = R)			Control Measures	Residual Risk Rating (L x S = R)		
<b>Dry Ice Ice Cream</b>		<b>Assessor: Prof</b>			<b>Date: 02/11/2015</b>			
Diabetic in audience	Audience				Presenter should check on there are any diabeticsin the audience and preclude them for having ice cream			
Can cause dry ice burns	Audience and Presenter	L	L	L	Eye protection and work gloves must be worn by anyone within 1 M of the dry ice unless dry ice is under water	L	L	L
Audience member may consume a lump of dry ice	Audience	L	L	L	Ensure dry ice is fully sublimated and instruct audience to spit out any lump should any be found	L	L	L
Dry ice can quickly sublime into CO2 which can reduce oxygen levels causing drowsiness	Audience and Presenter	L	H	M	A presentation in a small room must have adequate ventilation. In the event of drowsiness evacuate everyone to another area or outside. Open windows and ventilate room or move dry ice to a ventilated space	L	L	L
Lactose intolarance in audience	Audience	M	L	L	Presenter should check on any lactose intolerance members of audience and preclude them for having ice cream	M	L	L