### Risk Assessment for School Science Activities

**Name and nature of activity**: Fire blanket

**Location and date of activity**

**Name of teacher/technician**

**Activity type**: Technician procedure  Teacher demonstration  Student activity – Student year group

**Physics and general equipment**

<table>
<thead>
<tr>
<th>Type of hazard</th>
<th>Controls and other measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiation ionising laser</td>
<td>Relevant signage</td>
</tr>
<tr>
<td>Electrical Thermal</td>
<td>Perspex safety shield</td>
</tr>
<tr>
<td>Projectiles</td>
<td>Sharps container</td>
</tr>
<tr>
<td>Sharps</td>
<td>Glassware free from cracks or chips</td>
</tr>
<tr>
<td>Other – specify</td>
<td>Safety glasses</td>
</tr>
<tr>
<td></td>
<td>Thermally insulated gloves</td>
</tr>
<tr>
<td></td>
<td>Other – specify</td>
</tr>
</tbody>
</table>

**Chemicals used and produced**

**Type of hazard**

- Explosive
- Flammable
- Oxidising
- Gases under pressure
- Corrosive
- Acute toxicity
- Health hazards
- Chronic health hazards
- Environmental
- Other – specify

**Waste produced**

**Waste disposal procedure**

- Pre-treatment of waste. Describe
- Sink with water
- Regular waste
- Licensed hazardous waste company
- Other – specify

**Standard Operating Procedures**

- I have read the relevant Standard Operating Procedure.
- I am experienced trained in using all the equipment listed.
- All chemicals used and produced are approved for use.
- I have read the current SDSs for all hazardous chemicals used and produced.
- I am aware of safety guidelines for using all chemicals, materials and equipment.
- I will follow local guidelines for waste disposal (water authority, local council, EPA).
- I am aware of first aid procedures if required.

**Other comments:**

**Conclusion:**

- Risks not significant now and not likely to increase.
- Risks significant but effectively controlled at the moment.
- Risks significant and not adequately controlled at the moment.
- Uncertain about risks; more detailed assessment required.

**Assessment carried out by:** Science ASSIST

**Assessment approved by:**

**Date:** May 2015

**Next assessment due:**

This Risk Assessment assumes that the activity will be conducted in a science teaching area with the following facilities: electricity, running water, emergency shut-offs for electricity, gas if applicable, and water, regular testing and tagging of portable appliances; emergency contingencies such as evacuation/emergency plans, appropriate fire extinguishers, spill kits, hand washing facilities, eyewash/safety shower and first aid supplies. It is also assumed that all the necessary licencing requirements and approvals are obtained prior to the activity.