



## Risk assessments for the storage and use of Soldering Irons

All participants, tutors & organisers must be informed of these specific hazards which must be considered/addressed prior to use and followed throughout.

Assess the following hazards & determine the risk level.  
Then take all the necessary actions to minimise these risks

Hazard List	Hazard identified	Who might be harmed and how?	Risk level <i>low/medium/high or not applicable</i>	Action to minimise risk
<b>Situational Hazards</b> – obstruction / exposed feature	Storage of inflammable materials and/or combustible materials	Participants, tutors & organisers  Fire Risk providing a fuel source		There should be no inflammable materials in the activity room, or combustible materials within 10 metres
<b>Situational Hazards</b> – obstruction / exposed feature	Use of electrical equipment	Participants, tutors & organisers  Risk of electrocution  Fire Risk  Damage to surfaces		All equipment to be PAT tested within the last 12 months.  Only work on a heat resistant mat/surface. Suitable heat resistant stands should be made available  Iron not to be left unattended, especially while plugged in.  Iron to be unplugged when not in use. A check should be made at the close of play to ensure all equipment has been switched off & is no longer hot.
<b>Physical / Chemical Hazards</b> contact with hot liquid, vapour & substances	Use of solder	Participants, tutors & organisers  Molten solder on skin or in eyes.		<b>Always use a drip mat &amp; protective clothing to be worn at all times – overalls, gloves, goggles.</b>  In the event of an accident medical attention should be sought immediately.
<b>Physical / Chemical Hazards</b> contact with hot liquids, vapour & substances	Use of soldering iron	Participants, tutors & organisers  Molten solder on skin or in eyes		<b>Equipment to be used safely at all times</b>  A soldering iron should not be tilted upwards – or used for soldering overhead items.  In the event of an accident medical attention should be sought immediately.
<b>Environmental Hazards</b> – substance released into the air	Solder fumes	Participants, tutors & organisers Inhalation of Rosin (colophony) or its derivatives contained in solder fumes		<b>Work in a well-ventilated room.</b> Advise to stop working and get some fresh air, and to seek medical advice here are any respiratory problems or fumes are inhaled accidentally

Risk Assessment completed by \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_