

Solar Straws – RISK ASSESSMENT



Hazard	Likelihood and Seriousness of Injury	Control measures	Assessment of remaining risk
Use of scissors	Possible, serious injury unlikely.	Explain risk of cuts. Care needed.	Low
Lit tea light candle	Possible, serious injury unlikely.	Explain risk of burns. Ensure all flammable substances removed before lighting. Use heatproof mat. Extinguish flame when not in use.	Medium
Handling of glass equipment	Possible, serious injury unlikely.	Handle carefully. Report breakages to be cleared by staff.	Low
Use of chemicals	Possible, serious injury unlikely.	Safety glasses must be worn at all times. Careful handling. See additional risk assessment form.	Low



Title: Solar cell straws

Assessor's Name: Nina Chadwick

Signature:

**Supervisor's
Signature:**

Date: 17 / 01 / 2012

Substance	Quantity	Carcinogen, teratogen, mutagen	Toxic/very toxic	Harmful/irritant	Explosive	Pyrophoric	Flammable/highly flammable	Oxidising	Corrosive	Lachrymator	Other (please specify)
Methylated spirits			X	X			X				
Copper sulfate			X	X							
Iron sulfate			X	X							
Zinc sulfate			X	X							
Sodium hydroxide pellets				X					X		
Ammonia solution			X	X					X		
Level of supervision (see Safety Handbook)	A	B			C			D			

Heating	Cryogenics	Pressure	Vacuum	Other Equipment:
Safety Glasses	Labels	Fume hood	Safety screen	Gloves (type):
Face mask	Dust mask	Overnight permit	Other Controls:	
Emergency procedures:	Standard procedures.			
Disposal procedures:	All chemicals can be washed down the sink with plenty of water. Straws can be disposed of in standard waste.			
First aid:	Standard procedures.			
Extra precautions:	Care needed with scissors to prevent cuts. Ensure all methylated spirits are moved to another table before lighting tea light candles. Supervision required when lighting tea light candles. Care needed with glass equipment – any breakages to be cleared up by a volunteer or staff member.			

Scheme of Work/Procedure:

See instruction sheet.