

**Science - No.47 Bunsen Burners** (List additional hazards, risks and controls particular to your school using the blank template no.69)

Hazards	Is the hazard present? Y/N	What is the risk?	Risk rating H = High M = Medium L = Low	Controls (When all controls are in place risk will be reduced).	Is this control in place?	Action/to do list/outstanding controls  *Risk rating applies to outstanding controls outlined in this column	Person responsible	Signature and date completed
Gas		Explosions	H	A gas shut-off/isolation valve is provided for each classroom				
			H	Gas shut-off at end of each class from one central point				
Gas		Explosions Gas leaks	H	Gas supply isolated during holidays				
Gas		Burns Explosions	H	Gas installation including gas detector or other automatic shut-off mechanism checked annually by a competent person				
			H	Lit Bunsen burners located away from gas taps				
Blocked burner head (leading to irregular shaped flame)		Burns Explosions Leaks from faulty tubing	H	Rubber tubing and burner checked regularly (at least once per term), damaged tubing discarded and blocked jets cleaned				
Fire		Burns Smoke inhalation Explosion	H	A fire blanket and foam fire extinguisher in the lab				

**Science - No.47 Bunsen Burners cont'd.** (List additional hazards, risks and controls particular to your school using the blank template no.69)

Hazards	Is the hazard present? Y/N	What is the risk?	Risk rating H = High M = Medium L = Low	Controls (When all controls are in place risk will be reduced).	Is this control in place?	Action/to do list/outstanding controls *Risk rating applies to outstanding controls outlined in this column	Person responsible	Signature and date completed
Bunsen burner		Burns	H	Bunsen burners placed and used away from the edge of the desk				
			H	Lighter or matches used to light Bunsen - never paper				
			H	Pupils instructed on safe use of Bunsen burner				
			H	Teacher and caretaker know where to isolate Bunsen burner and hot metal				
Fire		Hair catching fire	H	Long hair tied back near lit Bunsen, no dangling jewellery or scarves				
		Burns						
No gas supervisory device		Explosion	H	IS820 Standard pertaining to Non Domestic Gas Installations, stipulates each room where gas appliances are used for instruction, gas flow supervisory systems must be installed				

If there is one or more **High Risk (H)** actions needed, then the risk of injury could be high and immediate action should be taken.  
**Medium Risk (M)** actions should be dealt with as soon as possible. **Low Risk (L)** actions should be dealt with as soon as practicable.

Risk Assessment carried out by: \_\_\_\_\_

Date:     /     /