

Operation/Activity: Cutting metal using burning gear.

Site / Location:

Persons at Risk (tick appropriate boxes)

Employee	<input checked="" type="checkbox"/>	Pregnant Women	<input type="checkbox"/>
Visitor	<input checked="" type="checkbox"/>	Disabled Persons	<input type="checkbox"/>
General Public	<input type="checkbox"/>	Lone Workers	<input type="checkbox"/>
Young Persons	<input type="checkbox"/>	Others	<input type="checkbox"/>

GUIDE TO RATINGS:

RISK SEVERITY	RISK LIKELIHOOD	RISK RATING
1 Negligible	1 Unlikely	1 - 6 Low
2 Minor	2 Possible	7 - 14 Medium
3 Significant	3 Quite Possible	15 - 25 High
4 Major	4 Likely	
5 Catastrophic	5 Very Likely	

Overall Risk Rating = Low

Describe the hazards associated with the activity/operation.

		Summary of Assessment Overleaf				
	Risk Rating (Before Controls)	Likelihood (L)	Severity (S)	Risk (L x S)	Risk Rating	
H1	Inhalation of fumes.	Medium	2	3	6	Low
H2	Hot sparks and burns from materials.	Medium	2	3	6	Low
H3	Release of gas.	Medium	2	3	6	Low
H4	Fire and explosion.	High	3	3	10	Medium

Assessed By:	Date:
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Monitored By:	Date:
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Risk Assessment

Hazard	Risk Control Measures	Residual Risk		
		Likelihood	Severity	Risk
H1 Fumes	All equipment must be used in accordance with manufacturer instructions and must be inspected before use to ensure that it is safe.	2	3	6
	Adequate ventilation will be provided to prevent heat stress.			
	Rubber hoses should be specific to the gas type and securely fitted with correct clips. They should be checked for damage or wear prior to opening cylinder valves daily.			
	All valves must be shut off when not in use.			
H2 Burns	Cutting should only be carried out by trained operatives, who will wear protective clothing and all necessary eye and respiratory protection.	2	3	6
	The lighting of equipment should be carried out strictly in accordance with the manufacturers' instructions and no lighted equipment should be left unattended.			
H3 Gas Release	All cylinders used in cutting should be kept and moved in trolleys and securely fastened. Gas cylinders not required for immediate use should be kept outside the building in which the work is taking place in cages or securely chained in an upright position. They should be kept at least 15 metres from the point or application of heat. All gas cylinders must be always maintained in an upright position.	2	3	6
H4 Fire / Explosion	It is the responsibility of the employee or sub-contractor, after use of the equipment, to carry out a thorough examination of the immediate vicinity of the work. i.e. within a radius of 15 metres including where reasonably practicable, the area on the other side of the wall or partition to ensure that there is no risk of fire.	2	5	10
	Regulators and flashback arrestors are to be fitted to all cylinders and should be removed prior to changing and transporting. The regulator or the adjusting screw must always be released before the cylinder valve is opened. The cylinder valve must be closed before the regulator is removed.			

	<p>All employees shall be made aware of the location of the fire alarms and fire fighting equipment. A suitable capacity fire extinguisher or other equivalent means of fire extinguishment of a type suitable for the combustible material and the premises must be always available.</p>			
	<p>Empty cylinders are to be removed from the premises and collected by suppliers on a regular basis.</p>			

