

## Safe Work Practice (SWP)

Name of Task <b>Brazing</b>	
Department/Unit: Trades Programs, and Maintenance	
<b>Personal Protective Equipment or other required equipment and safety considerations:</b> Eye Protection, CSA approved footwear, leather welding gloves, and long hair must be contained or tied to the back. No loose fitting clothing. No jewelry, watches, rings or necklaces.	
<b>Hazards:</b> Burns, fumes, cuts, lacerations, chemical burns and irritations.	
<b>Required Training:</b>	<ul style="list-style-type: none"> <li>Successful completion of safety unit and test.</li> <li>Instructor supervision.</li> <li>Read and understanding of Compressed Gas Regulators SWP.</li> </ul>
<b>Steps to be taken to complete task safely:</b>	
1	<b>Pre-Operational Safety Checks:-</b> <ul style="list-style-type: none"> <li>inspect required personal protective equipment and replace if necessary.</li> <li>ensure no slip/trip hazards are present.</li> <li>make sure guards, if present, are installed and working properly.</li> <li>locate and ensure you are familiar with the operation of the ON/OFF starter.</li> <li>inspect torch, hose connections, B-tank, and regulator for proper operation and leaks.</li> <li>ensure work area is free from flammable hazards.</li> <li>gas hoses must be in good condition and not create a tripping hazard.</li> <li>check that the area is well ventilated and fume extraction is on.</li> </ul>
2	<b>Prohibited Activities:-</b> <ul style="list-style-type: none"> <li>Do not smoke.</li> <li>Do not leave this equipment unattended.</li> <li>Do not use butane lighters to ignite torch.</li> </ul>
3	Wear appropriate personal protective equipment.
4	Clean joints.
5	Fit the joints and support the joint.
6	Apply proper flux (if required).
7	Heat to correct temperature.
8	Apply brazing material.
9	Shut off torch and cool the joint.
	<b>Post-Operational Safety Checks:-</b> <ul style="list-style-type: none"> <li>After the assembly has cooled, clean the joint thoroughly.</li> <li>Ensure work area is clean and equipment stored.</li> </ul>
<b>If an emergency situation occurs while conducting this task, or there is an equipment malfunction, shut the equipment off immediately and follow the lock out procedure. Report any hazardous situation to your instructor/supervisor immediately.</b>	
<b>Responsibilities, Completion and Review</b>	
<i>Management and workers to ensure all duties performed in accordance to training, established health and safety regulations/guidelines, policies and procedures (e.g. utilizing personal, protective equipment as per SAFE Work Procedures). Notify Manager or designates (i.e. supervisors) of all occurrences, injuries illnesses or safety and health concerns which are likely to harm themselves, co-workers, or any others who enter the premises.</i>	
<b>Completed by and Date:</b>	<b>Approved by:</b>

*Any document appearing in paper form is uncontrolled and must be compared to the electronic version.*

<b>Last Reviewed/Revised by and Date:</b>	<b>Note:</b> This task will be monitored periodically to ensure compliance and effectiveness.
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