




Safe Work Practice (SWP)

Name of Task: Soldering	
Department/Unit: Trades	
Personal Protective Equipment or other required equipment or other safety considerations: <ul style="list-style-type: none">• Eye Protection Required• Long or loose hair must be tied back or contained• No loose-fitting clothing• No jewelry, watches, rings, necklaces etc.• Hearing Protective Required• CSA Approved Safety Footwear required• Appropriate Gloves Required	
Hazards: <ul style="list-style-type: none">• Burns• Fumes• Cuts and Lacerations• Chemical Burns and Irritations	
Required Training	<ul style="list-style-type: none">• Successful completion of NBCC Safety Course (Work Safely or Workplace Safety Practices)• Shop safety orientation• Read and understand SWP• For students, practical demonstration and Instructor supervision required
Pre-Operational Safety Checks	<ul style="list-style-type: none">• Inspect required personal protective equipment and replace if required.• Ensure no slip/trip hazards are present in workspaces.• Faulty equipment must not be used. Immediately report suspect equipment.• Locate and ensure you are familiar with the operation of the torch.• Ensure work area is free of flammable hazards.
Prohibited Activities	<ul style="list-style-type: none">• Do not leave this equipment unattended while running• Do not touch soldering materials until it has cooled to room temperature• Do not touch joints that have been soldered until cooled• Do not aim the torch in any direction other than the area of work
Steps to be taken to complete task safely:	
1	Wear appropriate personal protective equipment (PPE).
2	Clean area to be soldered, apply flux (if applicable) assemble fittings and pipe.
3	Start torch
4	Heat copper and fittings
5	Apply solder or brazing material.
6	Draw filler material into joint soon as filler material melts.
7	Shut off torch
8	Let cool to room temperature.
9	After the assembly has cooled, wipe with a damp cloth to remove excess flux
10	Ensure work area is clean and equipment stored

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

	<p>If an emergency occurs while conducting this task, or there is an equipment malfunction, shut the equipment off immediately and follow the lock out procedure.</p> <p>REPORT ANY HAZARDOUS SITUATION TO YOUR INSTRUCTOR/SUPERVISOR IMMEDIATELY</p> <p>Housekeeping</p> <ul style="list-style-type: none"> • Ensure equipment is off. • Place all materials in their proper storage areas. • Ensure the equipment is safe, clean and tidy before you leave it.
Responsibilities, Completion and Review	
<p><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></p>	
<p>Completed by and Date: Ashley Ritchie, 1/28/2021</p>	<p>Approved by: </p>
<p>Last Reviewed / Revised by and Date:</p>	<p>Note: This task will be monitored periodically to ensure compliance and effectiveness.</p>

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