



### Cutting Torch

Developed by:		Approved by:	Date created:	Last revision:
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Possible Hazards Present		Personal Protection Required		Additional Training
<ul style="list-style-type: none"> <li>- Burns</li> <li>- Eye Injuries</li> </ul>		<ul style="list-style-type: none"> <li>- Eye Protection</li> <li>- Face Shield</li> <li>- Helmet</li> <li>- Welding Gloves</li> </ul>		
<ol style="list-style-type: none"> <li>1. Survey area for hazards and that external conditions are satisfactory (egs: wind from wrong direction).</li> <li>2. Ensure that bottles are secured in the upright position.</li> <li>3. Zero the gauges.</li> <li>4. Mount the gauges to the bottles - red hose to Acetylene - green hose to Oxygen.</li> <li>5. Open valves.</li> <li>6. Set gauges by turning regulator dial clockwise - 5 lb acetylene - 40 lb oxygen.</li> <li>7. Ensure torch lines are flexible and of adequate size &amp; length.</li> <li>8. Ensure proper ventilation.</li> <li>9. Turn on Acetylene = 1/4 turn at torch handle.</li> <li>10.Light with striker.</li> <li>11.Increase the acetylene until the black smoke decreases.</li> <li>12.Turn the oxygen at the torch handle.</li> <li>13.Increase the oxygen until the desired flame is achieved (blue short tip with no feathers).</li> <li>14.Cut as required.</li> <li>15.Be aware of surroundings for excessive fumes or fire hazards. Be careful not to touch hot metal.</li> <li>16.Shut off in reverse order.</li> <li>17.Let hot surface cool before handling.</li> </ol>				
<b>Documentation/Legislation</b> Workplace Safety and Health Regulation, M.R. 217/2006  2.1 Safe Work Procedure 5 First Aid 6 Personal Protective Equipment 17 Welding & Allied Processes			<p><b>This Safe Work Procedure will be reviewed anytime the task, equipment or materials change and at a minimum every three years.</b></p>	