

## Solvent Recycling

<b>Facility:</b>	<b>Written By:</b>	<b>Approved By:</b>	<b>Date Created:</b>	<b>Date of Last Revision</b>

<b>Hazards Present:</b>	<b>PPE or Devices Required:</b>	<b>Additional Training Required:</b>
Pinch Points	Anti-Vapor Mask	
Fire	Eye protection	
Explosions	Solvent Proof Hand protection	
Dehydration	Steel toed boots	
Splashing	emergency shower/ eyewash station	
	fire extinguisher	

### Safe Work Procedure:

- 1) Inspect the solvent recycling unit to make sure it has been thoroughly cleaned from the last use
- 2) Visually inspect the unit for an efficient grounding pole
- 3) Visually inspect the unit to ensure it is at least 24" away from other objects including the wall.
- 4) Remove solvent containment unit lid ensuring fingers and hands on outside of clamps
- 5) Install the holding ring from solvent containment unit
- 6) Insert the plastic liner into the solvent containment unit making sure there are no air bubbles between boiler and the bag
- 7) Replace the holding ring into solvent containment unit
- 8) Cut plastic liner to allow venting of liquids and vapors
- 9) Inspect and put on anti-vapor mask and solvent proof gloves
- 10) Slowly pour used solvent into the solvent containment unit
- 11) Replace solvent containment lid, ensuring not to overtighten the clamps and inspect for a proper seal
- 12) Remove anti vapor mask and solvent proof gloves and start recycling machine
- 13) Wait at least 1 hour after the process has finished to allow the machine to cool down before removing the lid
- 14) Carefully remove recycled liquid container so not to spill liquid
- 15) Inspect the gun wash storage container for proper grounding
- 16) Slowly pour contents of recycled liquid into the gun wash storage container
- 17) Remove holding ring from inside solvent containment unit
- 18) Slowly pull plastic edges towards the middle of the container
- 19) Store solid materials where they can be safely stored until a certified waste disposal team removes them

***If an emergency situation occurs while conducting this task, or there is an equipment malfunction, engage the emergency stop and follow the lock out procedure***

**REPORT ANY HAZARDOUS SITUATIONS TO YOUR SUPERVISOR**

<p style="text-align: center;"><b>Guidance Documents/Standards:</b></p> <p>MB Workplace Safety &amp; Health Act &amp; Regulations:                  2.1 Safe Work Procedures                  6 Personal Protective Equipment                  16 Machines, Tools and Robots                  35 WHMIS                  36 Chemical and Biological Substances</p>	<p>This Safe Work Procedure will be reviewed any time the task, equipment or materials change and at a minimum of every three years</p> <hr/> <p>Reviewed By WSH Committee:</p>  <p>Date:</p>
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