Temple University
Environmental Health and Radiation Safety

CHEMICAL WASTE GUIDELINE

Chemical Contaminated Sharps in Laboratories

Examples: Pipettes, Microscope Slides, Capillary Tubes, Syringes, Needles, Scalpels, and Razor Blades

<table>
<tr><td rowspan="3">Identification</td><td>Description</td><td>Sharps used for chemical purposes in labs needed to be disposed of properly, to avoid significant hazard during transportation. These chemical contaminated sharps cannot go into red (biohazard) sharps bins. Sharps are classified as any device having acute ridge corners, edges, or protuberances capable of cutting or piercing.</td></tr>
<tr><td>Classification</td><td>Non-Regulated Chemical Waste</td></tr>
<tr><td>Potential Hazards</td><td> 
• Refer to chemical specific Safety Data Sheet (SDS) for specific hazard information.</td></tr>
<tr><td>Waste Minimization</td><td>Opportunities</td><td>• Purchase and use smallest quantities necessary.</td></tr>
<tr><td rowspan="3">Supplies</td><td colspan="2">The following supplies are available through Environmental Health and Radiation Safety (EHRS). To order these supplies, call (215) 707-2520 or complete the online Chemical waste request form</td></tr>
<tr><td>Supply</td><td>Description</td></tr>
<tr><td>  </td><td>Temple University “Hazardous Waste Tag”

The Temple University Hazardous Waste Tag must be affixed on all waste containers used to collect chemical contaminated sharps.</td></tr>
<tr><td>  </td><td>Use sharps waste must be collected in a closed container. The following containers may be used:
• Black 12-gallon hazardous sharps container
• Black 18-gallon hazardous sharps container</td></tr>
</table>

SAA Management	Accumulation Limits	A maximum of 3 sharps bins may be accumulated in a laboratory (Satellite Accumulation Area (SAA)).
	Personal Protective Equipment	 **Note:** Always refer to glove manufacturer for chemical specific glove type.
	Collection Procedures	• Select an appropriate black hazardous sharps bin. • Keep container closed when not adding waste. • Do Not Overfill – leave room to properly close lid. • Begin to complete the hazardous waste tag as soon as any material is placed in the selected container.
	Storage	• Collection containers must be stored in designated Satellite Accumulation Areas. (SAA) • Keep containers tightly closed in a dry, cool, and well-ventilated area. • Store the collection container so that the hazardous waste tag is clearly visible.

Disposal	Removal	• Complete the TU Hazardous Waste Tag. Ensure that the:
		  ○ Generator information is accurate.
		  ○ Applicable Waste Stream is checked- **Other: Chemically Contaminated Sharps**
		  ○ Applicable Hazards are identified-
		  ○ All chemical constituents and amounts (%) are included on the tag.
		• Make sure that the tag is affixed to the container and the container lid is closed tight.
		• When the container becomes ¾ full, request a waste collection from EHRS by:
		  ○ Completing the online chemical waste collection request form.

	Special Collection Request	Contact EHRS to arrange for large collections of chemical contaminated sharps
Other	Breakage/ Leakage	Do not handle sharps with bare hands. Use a broom and dustpan to clean spilled sharps. Place all spilled materials into a black sharps bin and tag it as hazardous waste. Request disposal through EHRS.
	Emergencies	**In the event of an emergency** – Call campus safety at (215) 214-1234. EHRS [(215) 707-2520] should also be notified of the incident. **Direct contact** – Flush contaminated area with copious amounts of water (eyewash or safety shower) and then seek medical attention. **Spill** – Refer to the spill management sheet for general spill cleanup. Contact EHRS for additional assistance or guidance. **Fire –** ABC dry powder fire extinguisher should be adequate.
	Questions	Contact Environmental Health and Radiation Safety (EHRS) at (215) 707-2520