








CHEMICAL WASTE GUIDELINE

Aerosol Cans

Examples: Paints, Lubricants, Pesticides and Cleaning products

Identification	Description	Temple University uses a wide variety of products (cleaners, paints, pesticides) that come in aerosol cans (spray cans). Aerosol cans contain both a product and a pressurized propellant. In most cases, these products have hazardous characteristics, such as ignitability (e.g., paints, lubricants) or toxicity (e.g., pesticides, chlorinated cleaning products). In addition, most propellants are mixtures of ignitable gases, such as propane and butane. Since the aerosol cans are pressurized, they present a safety hazard if not managed properly.
	Classification	<ul style="list-style-type: none"> Aerosols - Universal waste
	Potential Hazards	 <ul style="list-style-type: none"> Refer to chemical specific Safety Data Sheet (SDS) for specific hazard information.
Waste Minimization	Opportunities	<ul style="list-style-type: none"> Limit purchases of aerosol spray cans. Re-use aerosols on different projects.
Supplies		
	Supply	Description
		Temple University "Universal Waste Tag" The Temple University Universal Waste Tag must be affixed on all waste containers used to collect waste Aerosols.
	Aerosol waste must be collected in a closed container. The following containers may be used: <ul style="list-style-type: none"> 5-gallon poly buckets 	

SAA Management	Accumulation Limits	A maximum of 5 gallons of Aerosol waste may be accumulated in a laboratory (Satellite Accumulation Area (SAA).)
	Personal Protective Equipment	 EYE PROTECTION  CHEMICAL GLOVES  LONG PANTS  CLOSED TOED SHOES ARE REQUIRED Note: Always refer to glove manufacturer for chemical specific glove type.
	Collection Procedures	<ul style="list-style-type: none"> • Select an appropriate waste collection container. • Refer to chemical labels or Safety Data Sheets (SDS) for incompatibilities • Keep container closed when not adding waste. • Do Not Overfill • Begin to complete the universal waste tag as soon as any material is placed in the selected container.
	Storage	<ul style="list-style-type: none"> • Collection containers must be stored in designated Satellite Accumulation Areas. • Collection container must be properly segregated and stored in secondary containment. • 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	<ul style="list-style-type: none"> • Complete the TU Universal Waste Tag. Ensure that the: <ul style="list-style-type: none"> ○ Generator information is accurate. ○ Start date is noted when any material is placed in container ○ Applicable Waste Stream is checked – Aerosol Can(s) • Make sure that the sticker is affixed to the container and the container lid is closed tight. • When the container becomes $\frac{3}{4}$ full, request a waste collection from EHRS by: <ul style="list-style-type: none"> ○ Completing the online chemical waste collection request form.
	Special Collection Request	Contact EHRS to arrange for large collections of aerosols.
Other	Breakage/ Leakage	When an aerosol can is punctured, the contents which are under high pressure will spray uncontrollably. Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Punctured aerosol can and spill cleanup materials should be label and disposed of as hazardous waste. Request disposal through EHRS.
	Emergencies	<p>In the event of an emergency – Call campus safety at (215) 214-1234. EHRS [(215) 707-2520] should also be notified of the incident.</p> <p>Direct contact – Flush contaminated area with copious amounts of water (eyewash or safety shower) and then seek medical attention.</p> <p>Spill – Refer to the spill management sheet for general spill cleanup. Contact EHRS for additional assistance or guidance.</p> <p>Fire – ABC dry powder fire extinguisher should be adequate.</p>
	Questions	Contact Environmental Health and Radiation Safety (EHRS) at (215) 707-2520