

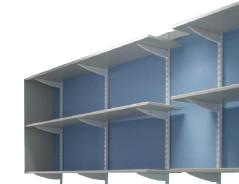
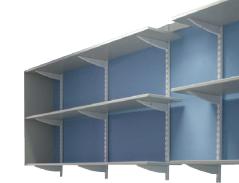
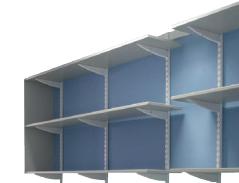
# EHSO Chemical Storage Guidelines

Note: These are general guidelines and are not a substitute for referring to the Safety Data Sheet (SDS) for specific storage, handling and disposal guidance.



EMORY  
UNIVERSITY

Environmental Health and Safety Office  
Research Administration

Hazard Class	WHAT (Details)	HOW (Recommended Storage Practices)	WHERE (Recommended Location)
  <b>Flammables</b>	<p>Flammables that are also corrosive or toxic may be stored in the flammables cabinet</p> <p>Mineral Acids (Hydrochloric Acid, Phosphoric Acid)</p> <p>Oxidizing Acids (Perchloric Acid, Nitric Acid, Sulfuric Acid, Chromic Acid)</p>	<ul style="list-style-type: none"> <li>Store in Flammables Cabinet</li> <li>Outside of a Flammables Cabinet, store up to 16 L per 100 ft<sup>2</sup> of lab space</li> <li>Store away from heat sources (ovens, incubators)</li> </ul>	 <b>Flammables Cabinet</b>  <b>Corrosives Cabinet</b>  <b>Wooden Cabinet</b>
 <b>Corrosives</b>	<p>Organic Acids (Acetic Acid, Trifluoroacetic Acid, Formic Acid)</p> <p>Bases (Sodium Hydroxide, Ammonium Hydroxide)</p>	<ul style="list-style-type: none"> <li>Store in Corrosives/Acid cabinet</li> <li>Store in secondary containment using a tray/bin</li> <li>Store in Corrosives/Acid Cabinet</li> <li>Store in secondary containment using a tray/bin</li> <li>Separate from Mineral and Oxidizing Acids using a tray/bin</li> <li>Minimize quantities when storing in same cabinet as Mineral and Oxidizing Acids</li> </ul>	
 <b>Toxic and Health Hazards</b>	<p>Includes carcinogens, teratogens, mutagens and acutely toxic</p> <ul style="list-style-type: none"> <li>Chemicals that have flammable, oxidizer or corrosive hazard should be stored based on that hazard</li> </ul>	<p>Store separate from acids</p> <ul style="list-style-type: none"> <li>Liquids in secondary bin/tray on shelf</li> <li>Solids on shelf</li> </ul>	 <b>Wooden Cabinet</b>  <b>Lab Shelving</b>
 <b>Irritants and Harmful</b>	<p>Chemicals that have flammable, oxidizer or corrosive hazard should be stored based on that hazard</p>	<p>Solids and Liquids on shelf or in cabinet</p> <ul style="list-style-type: none"> <li>separate from toxic materials</li> </ul>	 <b>Wooden Cabinet</b>  <b>Lab Shelving</b>
 <b>Oxidizers</b>	<p>Separate liquid and solid oxidizers</p>	<ul style="list-style-type: none"> <li>Liquids in secondary bin, either at room temperature (&lt;8% v/v solutions) or in a refrigerator (&gt;8%)</li> <li>Solids in secondary bin on low shelf, away from flammable materials</li> </ul>	 <b>Refrigerator</b>  <b>Lab Shelving</b>
 <b>Explosives</b>	<p>Separate from all other chemicals</p> <ul style="list-style-type: none"> <li>Contact EHSO for further assistance</li> </ul>	<ul style="list-style-type: none"> <li>Store away from heat sources (ovens, incubators)</li> </ul>	 <b>Wooden Cabinet</b>  <b>Lab Shelving</b>