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## Introduction

### Guidelines

- ⌘ Always read the label before handling and storing controlled products
- ⌘ Avoid arranging alphabetically – unless chemicals have already been separated by incompatibilities
- ⌘ Ensure that incompatible chemicals are not stored in close proximity to each other
- ⌘ These are general guidelines to follow – however should note that in some instances chemicals of the same category may not be compatible (e.g. acetic acid is not compatible with chromic, nitric or perchloric acid)

## Associated Procedure

Category	Guideline	Examples
Flammables	<ul style="list-style-type: none"> <li>⌘ Store in grounded flammable liquid cabinet</li> <li>⌘ Keep away from oxidizing material</li> </ul>	Acetone Ethanol Toluene DMSO
Non- flammables	<ul style="list-style-type: none"> <li>⌘ Store in cabinet</li> <li>⌘ May be stored with flammables</li> <li>⌘ Separate from oxidizers</li> </ul>	Carbon tetrachloride Ethylene glycol Perchloroethylene
Acids	<ul style="list-style-type: none"> <li>⌘ Store in cabinet of non-combustible material</li> <li>⌘ Separate oxidizing acids, organic acids and mineral acids</li> <li>⌘ Use plastic bins to provide separate areas in the same cabinet</li> <li>⌘ Separate perchloric acid from all other acids using ceramic, glass or clay bins</li> <li>⌘ Separate from caustics, cyanides, sulfides</li> </ul>	Nitric acid Hydrochloric acid Phosphoric acid Sulfuric acid
Caustics	<ul style="list-style-type: none"> <li>⌘ Store in dry area</li> <li>⌘ Separate from acids</li> </ul>	Alkali hydroxide Ammonium hydroxide Sodium hydroxide Potassium hydroxide
Water reactive	<ul style="list-style-type: none"> <li>⌘ Store in cool and dry area</li> <li>⌘ Separate from aqueous solutions</li> </ul>	Metallic Sodium Metallic Potassium Metallic Lithium
Oxidizers	<ul style="list-style-type: none"> <li>⌘ Store in non-combustible cabinet</li> </ul>	Benzoyl peroxide

	ε Separate from flammable and combustibles	Potassium permanganate Sodium hypochlorite
Non- oxidized compressed gas	ε Store in well-ventilated area, secured and separate from oxidizing compressed gases	Nitrogen, hydrogen, Carbon dioxide
Oxidized compressed gas	ε Store securely and away from flammable compressed gases	Oxygen, chlorine, nitrous oxide
Non- volatile, non-reactive solids	ε Store in open cabinet or open shelves with edge guard	Agar Sodium chloride Sodium bicarbonate

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