

Suggested Chemical Storage Pattern

Inorganic	Organic
Sulfur, Phosphorus, Arsenic, Phosphorus Pentoxide	Alcohols, Glycols, etc. (store flammables in dedicated cabinets)
Halides, Sulfates, Sulfites, Thiosulfates Phosphates, etc.	Hydrocarbons, Esters, etc. (store flammables in dedicated cabinet)
Amides, Nitrates (not ammonium nitrate), Nitrites, etc.	Ethers, Ketones, etc. (store flammables in dedicated cabinet)
Metals, Hydrides (store away from water)	Epoxy compounds, Isocyanates
Hydroxides, Oxides, Silicates, etc.	Sulfides, Polysulfides, etc.
Arsenates, Cyanides (store above acids)	Phenol, Cresols
Sulfides, Selenides, Phosphides, Carbides, Nitrides	Peroxides, Azides, etc.
Manganates, Chromates, Permanganates, Borates	Acids, Anhydrides, Peracids, etc.
Chlorates, Chlorites, Perchlorates, Peroxides, Perchloric acid	Miscellaneous
Acids - except nitric. (store acids in dedicated cabinets)	Miscellaneous (Nitric Acid)

Chemicals not to be found in the school

I. All Unknown/Unlabeled Chemicals	VII. Carcinogens Benzene Thiourea Hexavalent chromium Vinyl chloride Cadmium Compounds Formaldehyde Formalin
II. All Chemicals Unused Over 3 Years	
III. All Radioactive Compounds	
IV. Explosives Acetylides Organic nitros Azides (including picric acid) Benzoyl peroxide Styphnates Ethers Tetrahydrofuran Fulminates Trinitrophenol Hydrazine Trinitrotoluene (TNT)	VIII. General Toxins Arsenic compounds Mercury (metallic) Antimony compounds Mercury compounds Barium compounds Methanol Chloroform Nicotine Chloral hydrate Oxalates Colchicine Pyridine Hydrogen sulfide Sulfamethiazine Mercaptans Thallium compounds
V. Flammables Acetylene Carbon disulfide Ethers	
VI. Highly Toxic Gases Cyanides Sulfides	