## **Basic Chemical Segregation**

CLASS OF CHEMICALS	RECOMMENDED STORAGE METHOD	EXAMPLES	INCOMPATIBILITIES SEE MSDS IN ALL CASES
Compressed Gases- Flammable	Store in a cool, dry area, away from oxidizing gases. Securely strap or chain cylinders to a wall or bench top.	Methane, acetylene, propane	Oxidizing and toxic compressed gases, oxidizing solids.
Compressed Gases- Oxidizing	Store in a cool, dry area, away from flammable gases and liquids. Securely strap or chain cylinders to a wall or bench.	Oxygen, chlorine, bromine	Flammable gases.
Compressed Gases- Poisonous	Store in a cool, dry area, away from flammable gases and liquids. Securely strap or chain cylinders to a wall or bench.	Carbon monoxide, hydrogen sulphide (H2S)	Flammable and/or oxidizing gases.
Corrosives - Acids	Store in separate acid storage cabinet.	Mineral acids - Hydrochloric acid, sulfuric acid, nitric acid, perchloric acid, chromic acid, chromerge	Flammable liquids, flammable solids, bases, oxidizers.
Corrosives - Bases	Store in separate storage cabinet.	Ammonium hydroxide, sodium hydroxide	Flammable liquids, oxidizers, poisons, and acids.
Shock Sensitive Materials	Store in secure location away from all other chemicals.	Ammonium nitrate, Nitro Urea, Picric Acid (in dry state), Trinitroaniline, Trinitroanisole, Trinitrobenzene, Trinitrobenzenesulfonic acid, Trinitrobenzoic acid, Trinitrobenzoic acid, Trinitrophenol/Picric acid, trinitrotoluene, Urea Nitrate, Zirconium picramate	Flammable liquids, oxidizers, poisons, acids, and bases.
Flammable Liquids	In grounded flammable storage cabinet.	Acetone, benzene, diethyl ether, methanol, ethanol, toluene, glacial acetic acid	Acids, bases, oxidizers, and poisons.
Flammable Solids	Store in a separate dry, cool area away from oxidizers, corrosives, flammable liquids.	Phosphorus	Acids, bases, oxidizers, and poisons.
General Chemicals Non-reactive	Store on general laboratory benches or shelving preferably behind glass doors, or	Agar, sodium chloride, sodium bicarbonate, and most non-reactive salts	See MSDS

	below eye level.		
Oxidizers	Store in a spill tray inside a noncombustible cabinet, separate from flammable and combustible materials.	chiorate notaccilim dichromate i ne	Separate from reducing agents, flammables and combustibles.
Poisons	Store separately in vented, cool, dry, area, in unbreakable chemically resistant secondary containers.	Cyanides, heavy metals compounds, i.e. cadmium, mercury, osmium	Flammable liquids, acids, bases, and oxidizers.
Water Reactive Chemicals	Store in dry, cool, location, protect from water fire sprinkler.	Sodium metal, potassium metal, lithium metal, lithium aluminum hydride	Separate from all aqueous solutions, and oxidizers.