SUGGESTED SHELF STORAGE PATTERN-INORGANIC

INORGANIC #10 Sulfur, Phosphorus, Arsenic, Phosphorus Pentoxide

INORGANIC #2

Halides, Sulfates, Sulfites, Thiosulfates, Phosphates, Halogens, Acetates, Oxalates, Phthalates, Oleates, Iodides

INORGANIC #3

Amides, Nitrates (not Ammonium Nitrate), Nitrites, Azides (Store Ammonium Nitrate away from all other substances—*ISOLATE IT*!)

INORGANIC #1

Metals & Hydrides (Store away from any water.) (Store flammable solids in flammables cabinet.)

INORGANIC #4

Hydroxides, Oxides, Silicates, Carbonates, Carbon

If possible avoid using the floor.

Storage Suggestions

- 1. Avoid storing chemicals on the floor (even temporarily).
- 2. No top shelf chemical storage.
- 3. No chemicals stored above eye level.
- 4. Shelf assemblies are firmly secured to walls. Avoid island shelf assemblies.
- 5. Provide anti-roll-off lips on all shelves. (Catalog No. SE1069)
- 6. Ideally, shelving assemblies would be of wood construction.
- 7. Avoid adjustable metal shelf supports and clips. Better to use fixed, wooden supports.
- 8. Store acids in a dedicated acid cabinet. Store nitric acid in the same cabinet **only** if isolated from other acids. Store both inorganic and some organic acids in the acid cabinet.
- 9. Store flammables in a dedicated flammables cabinet.
- 10. Store severe poisons in a dedicated poisons cabinet.

INORGANIC #9 Acids, except Nitric* (Acids are best stored in dedicated cabinets.)

*Store nitric acid away from other acids unless your acid cabinet provides a separate compartment for nitric acid.

INORGANIC #7

Arsenates, Cyanides, Cyanates (Store away from any water.)

INORGANIC #5

Sulfides, Selenides, Phosphides, Carbides, Nitrides

INORGANIC #8

Borates, Chromates, Manganates, Permanganates, Molybdates, Vanadates

INORGANIC #6

Chlorates, Bromates, Iodates, Chlorites, Hypochlorites, Perchlorates, Perchloric Acid, Peroxides, Hydrogen Peroxide

MISCELLANEOUS

SUGGESTED SHELF STORAGE PATTERN-ORGANIC

ORGANIC #2 Alcohols, Glycols, Sugars, Amines, Amides, Imines, Imides (Store flammables in a dedicated cabinet.)

ORGANIC #3

Hydrocarbons, Oils, Esters, Aldehydes (Store flammables in a dedicated cabinet.)

ORGANIC #4

Ethers, Ketones, Halogenated Hydrocarbons, Ethylene Oxide (Store flammables in a dedicated cabinet.)

ORGANIC #5 Epoxy Compounds, Isocyanates

> **ORGANIC #7** Sulfides, Polysulfides

> > If possible avoid using the floor.





How To Maximize Storage Space

If shell space is a problem, you are permitted to place more than one compatible chemical family on a shelf. Make sure you either have a physical divider or leave a 3" space between each family. This will maximize your tight shelf space while keeping each compatible chemical family separate from one another.

ORGANIC #8 Phenols, Cresols

ORGANIC #6 Peroxides, Hydroperoxides

ORGANIC #1

Acids, Amino Acids, Anhydrides, Peracids (Store **certain** organic acids in acid cabinet.)

ORGANIC #9

Dyes, Stains, Indicators (Store alcohol-based solutions in flammables cabinet.)

MISCELLANEOUS