SUGGESTED SHELF STORAGE PATTERN - INORGANIC

INORGANIC #10

Sulfur, Phosphorus, Arsenic, Phosphorus Pentoxide

INORGANIC #2

Halides, Sulfates, Sulfites, Thiosulfates, Phosphates, Halogens, Acetates

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

INORGANIC #7

Arsenates, Cyanides, Cyanales (Store away from any water)

INORGANIC #5

Sulfides, Selenides, Phosphides, Carbides, Nitrides

INORGANIC #8

Borates, Chromates, Manganates, Permanganates

INORGANIC #6

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

MISCELLANEOUS

Shelf Storage Patterns are shown for segregation purposes only. You may choose to store some categories on the same shelf but segregated in different secondary containers (ie Plastic Nalgene or Glass Trays). Try to keep the groups in order so that more distance is put between groups that are less compatible. Secondary containment should be used for all liquids in any case.

INORGANIC KEY

- Metals, hydrides
- 2 Halides, sulfates, sulfites, thiosulfates, phosphates, halogens.
- 3 Amides, nitrates** (except ammonium nitrate), nitrites**, azides**, nitric acid.
- 4 Hydroxides, oxides, silicates, carbonates, carbon.
- 5 Sulfides, selenides, phosphides, carbides, nitrides.
- 6 Chlorates, perchlorates**, perchloirc acid**, chlorites, hypochlorites, peroxides**, hydrogen peroxide.
- 7 Arsenates, cyanides, cyanates.
- 8 Borates, chromates, manganates, permanganates.
- 9 Acids (except nitric)
- 10 Sulfur, phosphorus**, arsenic, phosphorus pentoxide**.

INORGANIC #9

ACIDS

(except Nitric Acid)

(acids are best stored in dedicated cabinets)

Store Nitric Acid away from other acids unless your acid cabinet provides a seperate compartment or secondary containment for Nitric Acid.

^{**} These Chemicals deserve special attention due to their potential instability.