# 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

#### **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** 

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.
- 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.



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

# 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

## **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**

If possible avoid using the floor.

## ORGANIC #2

Alcohols, Glycols, etc.

#### **ORGANIC #3**

Hydrocarbons, etc.

## **ORGANIC #4**

Ethers, Ketones, etc.

## ORGANIC #9

Alcohol-based Indicators, etc.

Store severe poisons in locked Poisons Cabinet.



# Maximize Storage Space

If shelf 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.