

# Chemical Storage Guidelines on Compatibilities

Store chemicals by hazard classification (e.g., oxidizer, combustible, corrosive, unstable, water reactive, etc.) To determine the chemicals hazard class, check the label for hazard information, consult the MSDS, or the various NFPA or NIOSH guides on Hazardous Materials.

## Examples of Incompatible Hazard Classes (Don't store List A chemicals next to List B chemicals)

Once chemicals are segregated by hazard class, compatible classes can be stored together. Incompatible classes must be physically separated from each other. Separation of chemical groups can be accomplished by:

- different shelves within the same cabinet – providing secondary containment is used to retain materials in event there is a breach;
- different physically separated areas of proper containment and fire/spill protection

Storage areas and containers should be inspected periodically for signs of deterioration. (e.g., rust, corrosion, leakage, pressure build up, etc.)

List A	List B
Organic	Oxidizer
Flammable	Oxidizer
Flammable	Poison
Poison	Corrosive
Acid	Base
Acid	Cyanide
Acid	Sulfide
Organic acid	Oxidizing acid
Water reactive	Aqueous solutions