

# Incompatible Chemicals Q

## ***Keep These:***

### **Any of these Oxidizers**

- Σ Peroxides
- Σ Nitrates
- Σ Iodine
- Σ Bromine
- Σ Chlorine
- Σ Oxygen Gas
- Σ Perchlorates
- Σ Perborates
- Σ Periodates
- Σ Permanganates
- Σ Persulfates
- Σ Chromates and Dichromates
- Σ Perchloric Acid
- Σ Chromic Acid
- Σ Nitric Acid

### **Any of these Acids**

- Σ Nitric Acid
- Σ Phosphoric Acid
- Σ Hydrochloric Acid
- Σ Muriatic Acid
- Σ Sulfuric Acid
- Σ Hydrofluoric Acid
- Σ Perchloric Acid
- Σ Glacial Acetic Acid

### **Organic Peroxides**

- Σ Benzoyl Peroxide
- Σ Methyl Ethyl Ketone Peroxide

### **Water Reactive Compounds**

- Σ Hydrides
- Σ Sodium, metallic
- Σ Potassium, metallic
- Σ Magnesium, metallic
- Σ Toluene Diisocyanate

### **Pyrophoric Compounds**

- Phosphorus, Yellow
- Phosphorus, White
- Triethyl Aluminum

### **Shock-Sensitive Compounds**

- Dry Picric Acid
- Old Diethyl (Anhydrous) Ether
- Dry Benzoyl Peroxide
- Old Dioxane
- Nitroglycerin
- Old Tetrahydrofuran
- Dry Metal Azides

Labs have limited exemptions from these re

## Quick Reference Guide

### ***Away From These:***

#### **Any of these Organics**

Σ Flammable Solvents  
Σ Paper  
Σ Activated Carbon  
Σ Hydrazine  
Σ Acetylene Gas  
Σ Propane Gas  
Σ Boric Acid  
Σ Acetic Acid  
Σ Organic Compounds, ending in:  
...ane (e.g., Hexane)  
...ene (e.g., Xylene or Toluene)  
...hyde (e.g., Benzaldehyde)  
...ile (e.g., Acetonitrile)  
...ol (e.g., Methanol or Phenol)  
...one (e.g., Acetone or Methyl Ethyl Ketone)

#### **Any of these Bases**

Σ Ammonia  
Σ Ammonium Hydroxide  
Σ Sodium Hydroxide  
Σ Potassium Hydroxide

#### **Any of these Cyanides**

Σ Sodium Cyanide  
Σ Potassium Cyanide  
Σ Potassium Ferricyanide

#### **Organics and Oxidizers**

#### **Water.....(duh)**

Moist air

#### **Air**

#### **Friction, Heat or Shocks**

Opening the cap  
Dropping a container  
Earthquakes  
Bumping another container  
Sneezing (just kidding)

quirements.