

# EH&S CHEMICAL SEGREGATION SCHEME

## KEY

### **Hazard Class # – All Hazard Classes must be segregated from other Hazard Classes**

- Class – must segregate from other Classes within **Hazard Class**
  - *Group – recommend to segregate from other Groups within Class*

### **Hazard Class 1 - Explosives (potentially explosive)**

### **Hazard Class 2 - Compressed Gases / Lecture Bottles**

- Class 2.1 - Flammable gases
- Class 2.2 - Non-Flammable gases
- Class 2.3 - Poisonous gases
  
- Oxidizing gases (separate from everything)
- Corrosive – acids
- Corrosive – bases
- Cryogenics
- Pyrophorics

### **Hazard Class 3 - Flammable liquids**

- Combustible liquids (that do not have another hazard)

### **Hazard Class 4 - Flammable solids**

- Class 4.1 - Flammable solids
- Class 4.2 - Spontaneously combustible
- Class 4.3 - Dangerous When Wet

### **Hazard Class 5 - Oxidizers**

- Class 5.1 - Oxidizers
  - *Liquids*
  - *Solids*
- Class 5.2 - Organic peroxides

## **Hazard Class 6 - Poisons**

- Class 6.1 - Poisons
  - *Liquids*
  - *Solids*
  - *Carcinogens*
  - *Reproductive hazards (Teratogens, Mutagens)*
  - *Irritants*
  - *Organic acids, solid*
  - *Nonhazardous chemicals*
- Poison Inhalation Hazards (PIH)
- Cyanides
- Controlled substances
- Class 6.2 - Biohazards – Infectious agents
  - *CDC Select agents*

## **Hazard Class 7 - Radioactives**

## **Hazard Class 8 - Corrosives**

- Inorganic acids
- Oxidizing acids (Nitric acid and Perchloric acid)
- Hydrofluoric acid
- Organic acids, liquid (can store in flammable cabinet)
- Bases
  - *Liquids*
  - *Solids*

## **Hazard Class 9 – Miscellaneous**

*For Cornell University segregation purposes, these materials can be stored with*

## **Hazard Class 6 - Poisons**