Texas Tech University Compatible Storage Group Classification System
Should be used in conjunction with specific storage conditions taken from the manufacturer's label and MSDS.

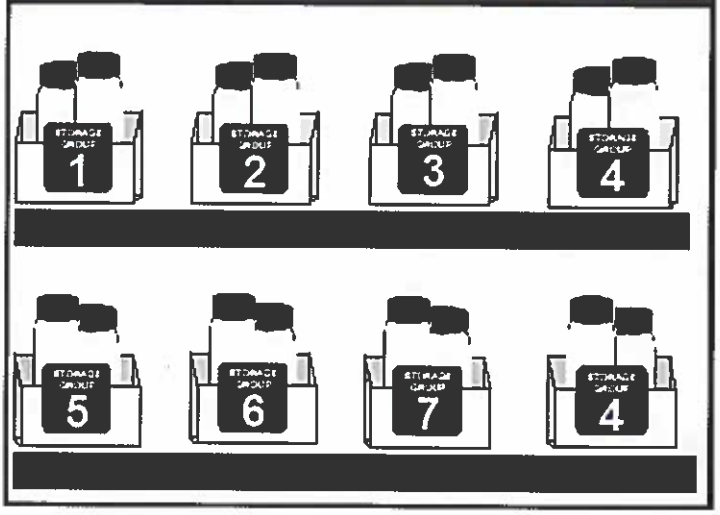
Storage Groups

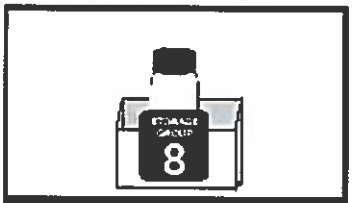
Store chemicals in separate secondary containment and cabinets

1. Compatible Organic Acids
2. Compatible Organic Bases
3. Non-Reactive Flammable and Combustible, including solvents
4. Not intrinsically Reactive or Flammable or Combustible
5. Compatible Oxidizers including Peroxides
6. Compatible Inorganic Bases
7. Compatible Inorganic Acids not including Oxidizers or Combustible
8. Incompatible with ALL other storage groups
9. Compatible Pyrophoric & Water Reactive Materials
10. Poison Compressed Gases
11. Compatible Explosive or other highly Unstable Material

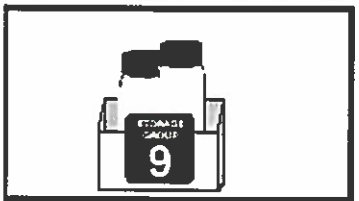
*Storage Groups 8,10 and 11: Consult EHS Department for specific storage - consult manufacturer's MSDS

If space does not allow Storage Groups to be kept in separate cabinets the following scheme can be used with extra care taken to provide stable, uncrowded and carefully monitored conditions. Notice the secondary containment between each storage group





Storage Group 8 must be segregated from all other chemicals.



Storage Group 9 is not compatible with any other storage group.

CHEMICAL SEGREGATION

Chemicals are to be segregated into 11 different categories depending on the compatibility of that chemical with other chemicals

The Storage Groups are as follows:

Group 1 – Compatible Organic Acids
Group 2 – Compatible Organic Bases
Group 3 – Non-Reactive Flammable and Combustible, including solvents
Group 4 – Not intrinsically Reactive or Flammable or Combustible
Group 5 – Compatible Oxidizers including Peroxide
Group 6 – Compatible Inorganic Bases
Group 7 – Compatible Inorganic Acids not including Oxidizers or Combustible
Group 8 – Incompatible with ALL other storage groups
Group 9 – Compatible Pyrophoric & Water Reactive Materials
Group 10 – Poison Compressed Gases
Group 11 – Compatible Explosive or other highly Unstable Material

The following link will take you to the chemical classification list. This is not a complete list of chemicals, but is provided to give examples of each storage group:

CHEMICAL CLASSIFICATION LIST