

Recommended Storage Groups for Common Chemicals

CHEMICAL	Group				
1-Butanol or 2-	L	Ethylene Glycol	L	Propylene Oxide	L
1-Propanol	L	Ficoll	G	Pump Oil	L
2-Mercaptoethanol	L	Formaldehyde	L	Pyridine	A
Acetic Acid, Glacial (flammable)	D	Formamide	L	SDS (Sodium Lauryl Sulfate) (in solution G)	L
Acetic Anhydride	L	Formic Acid (88%)	D	Sigmacote	L
Acetone	L	Geopen	G	Sodium Acetate	G
Acetonitrile	L	Glutaraldehyde	G	Sodium Azide	X
Acetaldehyde	L	Glycerol	L	Sodium Bicarbonate	G
Acrolein	L	Glycine	G	Sodium Bisulfate	G
Acrylamide	G	Guanidine Hydrochloride	G	Sodium Bisulfite	G
Agarose	G	Guanidine Thiocyanate	C	Sodium Borate	G
Ammonium Acetate	G	Halothane, Isoflurane	G	Sodium Borohydride	B
Ammonium Chloride	G	HEPES	G	Sodium Carbonate, Anhydrous	G
Ammonium Formate	G	Hexanes	L	Sodium Chlorate	E
Ammonium Hydroxide	C	Hydrochloric Acid	F	Sodium Chloride (NaCl)	G
Ammonium Nitrate	E	Hydrogen Peroxide, 90%	E	Sodium Citrate, Dihydrate	G
Ammonium Persulfate	E	Hydrogen Peroxide, <5%	G	Sodium Dichromate, Dihydrate	E
Ammonium Sulfate	G	Imidazole	A	Sodium Hydroxide (NaOH)	C
Ammonium Sulfide	L	Isobutyl Alcohol	L	Sodium Hypochlorite	E
Benzene	L	Isopentane	L	Sodium Hypochlorite solution (i.e. Bleach)	G
BIS & BIS-Acrylamide	G	Isopropanol	L	Sodium Phosphate	G
BIS TRIS	A	Magnesium Chloride	G	Sodium Sulfide, Anhydrous	B
Borax	G	Magnesium Sulfate	G	Succinic Acid	D
Boric Acid	G	Maleic Acid	D	Sucrose	G
Calcium Chloride	G	Methanol	L	Sulfuric Acid	F
Chloroform	G	N-Methyl-2-Pyrrolidone	L	Tannic Acid	D
Chromerge	E	N,N Dimethylformamide	L	TEMED	A
Citric Acid	D	Nitric Acid	E	TES free acid	G
Coomassie Blue	G	P-Dioxane	L	Tetracycline	G
Dextrose	G	Paraformaldehyde	L	Tetrahydrofuran	L
Dichloromethane	G	Perchloric Acid	E	Trichloroacetic Acid	D
Diethylamine (flammable)	A	Periodic Acid	E	Toluene	L
Diethyl Pyrocarbonate	L	Permout	L	Triethanolamine	A
Dimethyl Popop	G	Phenol	L	TRIS	A
Dimethyl Sulfoxide (DMSO)	L	Phosphoric Acid	F	Triton X-100	G
Drierite	G	Picric Acid dry (<10% H ₂ O)	K	Trizol	L
EcoLume, UniverSOL, BetaMax, CytoScint, Scintisafe, Econo-Safe, Ecoscint, Opti-fluor	L	Picric Acid moist (10- 40% H ₂ O)	X	TWEEN 20	G
EDTA (in solution G)	D	Picric Acid soln (1-4%)	X	Urea	G
Ethanol	L	Piperidine	A	WD-40	L
Ethanolamine	A	Pipes, Free Acid	G	Xylenes	L
Ethers	L	Potassium Acetate	G	Zinc Chloride	G
Ethidium Bromide	G	Potassium Chloride	G		
Ethyl Acetate	L	Potassium Cyanide	C		
		Potassium Hydroxide (KOH)	C		
		Potassium Phosphate	G		
		PPO	G		
		Propionic Acid	D		

Memorial University Compatible Storage Group Classification System.


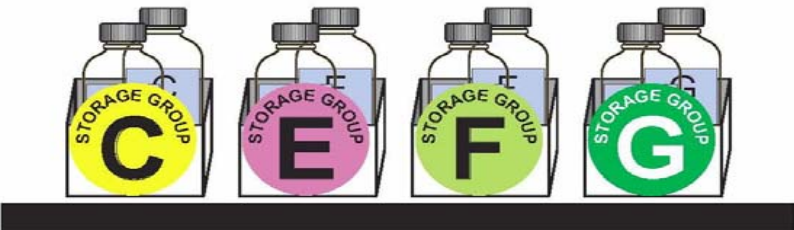
Should be used in conjunction with specific storage conditions taken from the manufacturers label and MSDS.


STORAGE GROUPS

Store chemicals in separate secondary containment and cabinets


A	Compatible Organic Bases
B	Compatible Pyrophoric & Water Reactive Materials
C	Compatible Inorganic Bases
D	Compatible Organic Acids
E	Compatible Oxidizers including Peroxides
F	Compatible Inorganic Acids not including Oxidizers or Combustible
G	Not Intrinsicly Reactive or Flammable or Combustible
J*	Poison Compressed Gases
K*	Compatible Explosive or other highly Unstable Material
L	Non-Reactive Flammable and Combustible, including solvents
X*	Incompatible with ALL other storage groups

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.



Storage Group X must be segregated from all other chemicals.



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