

Recommended Storage Groups for Common Chemicals

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

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

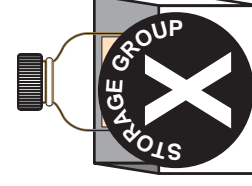
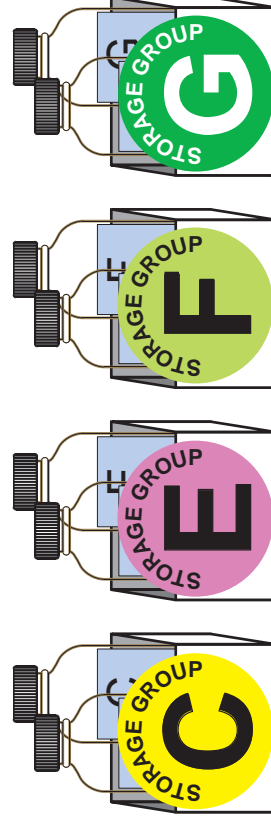
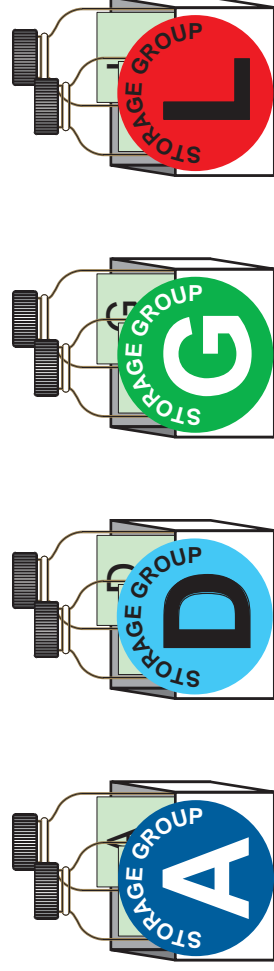
Find Storage Group information in Chemtracker:

<https://chemtracker.stanford.edu/chemsafety>

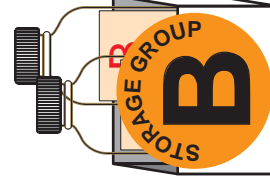
- A** Compatible Organic Bases
- B** Compatible Pyrophoric & Water Reactive Materials
- C** Compatible Inorganic Bases
- D** Compatible Organic Acids
- E** Compatible Oxidizers including Peroxides
- F** Compatible Inorganic Acids not including Oxidizers or Combustible
- G** Not Intrinsically Reactive 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

***Storage Groups J, K and X: Contact EH&S @ 3-0448
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.



Storage Group X must be segregated from all other chemicals.



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