

Chemicals from A to Z

The following list includes most frequently used chemicals.

It provides useful information for the safe and adequate use of the E-Burette. However, safety precautions and recommendations in operation manual must be followed carefully.

Code explanations

A = Good resistance

B = Acceptable with limitations

C = Not recommended

1 = Aggressive liquid vapours (better resistance with lower concentration) may cause corrosion of electronic motor.

Do not leave the E-Burette on the bottle. Run the E-Burette with distilled water after usage.

2 = Risk of damage, softening or discoloration of external parts through vapours.

Do not leave the E-Burette on the bottle. Run the E-Burette with distilled water after usage.

3 = Chemical deposition on the barrel surface which may restrict the movement of piston.

Do not leave the E-Burette on the bottle. Run the E-Burette with distilled water after usage.

4 = Chemical degradation of glass parts (plunger/barrel).

List of Reagents

Chemicals A - Z

A	
Acetaldehyde (Ethanal)	A
Acetic acid 96%	B/1/2
Acetic acid 100% (glacial)	B/1/2
Acetic anhydride	B/1/2
Acetone (Propanone)	B/2
Acetonitrile (MECN)	A
Acetophenone	B/2
Acetyl Chloride	B/2
Acetylacetone	B/1
Acrylic acid	B/1
Acrylonitrile	B/1/2
Adipic acid	A
Allyl alcohol	A
Aluminum chloride	B/1
Amino acids	A
Ammonia 20%	B/1/2
Ammonia 20-30%	B/1/2
Ammonium chloride	B/1
Ammonium fluoride	B/1
Ammonium molybdate	B/1
Ammonium sulfate	B/1
Amyl alcohol (Pentanol)	A
Amyl chloride (Chloropentane)	B/1/2
Aniline	A
Ascorbic acid	A
n-Amyl acetate	B/2
B	
Barium chloride	A
Benzaldehyde	A
Benzene	B/2
Benzine	A
Benzoyl chloride	B/2
Benzyl alcohol	A
Benzyl chloride	B/2
Bis(2-ethylhexyl) phthalate	B/2
Boric acid 10%	A
Bromine	C/1/2
Bromobenzene	B/2
Bromonaphtalene	A
Butanediol	A
Butanol	A
Butyl acetate	B/2
Butyl methyl ether	B/2
Butylamine	B/2
Butyric acid	B/2
C	
Calcium carbonate	B/3
Calcium chloride	B/3
Calcium hydroxide	B/3
Calcium hypochlorite	B/3

List of Reagents

Chemicals A - Z	
Carbon disulfide	B/2
Carbon tetrachloride	B/2
Chlorine dioxide	B/2
Chlorine water	B/2
Chloro naphthalene	B/2
Chloroacetaldehyde 45%	A
Chloroacetic acid	B/2
Chloroacetone	B/2
Chlorobenzene	B/2
Chlorobutane	B/2
Chloroethanol	B/2
Chloroform (Trichloromethane)	B/1/2
Nitro-hydrochloric acid (Aqua regia)	B/1/2
Chlorosulfonic acid	B/1/2
Chlorosulfuric acid 100%	B/1/2
Chromic acid 100%	B/1/2
Chromosulfuric acid 100%	C/1/2
Citric acid	A
Copper fluoride	A
Copper sulfate	A
Covi-Ox-T70/ Mixed Tocopherol	A
Cresol	A
Cumene (Isopropylbenzene)	B/2
Cyanoacrylate	A
Cyclohexane	B/2
Cyclohexanone	B/2
Cyclopentane	B/2
D	
1,2-Diethylbenzene	B/2
1,4-Dioxane (Diethylene dioxide)	B/2
1-Decanol	A
Decane	A
Di-(2-ethylhexyl) peroxydicarbonate	B/2
Dibenzyl ether	B/2
Dichloroacetic acid	B/2
Dichlorobenzene	B/1
Dichloroethane	A
Dichloroethylene	B/2
Diesel oil (Heating oil)	A
Diethanolamine	A
Diethylamine	B/2
Diethylene glycol	A
Diethylether	B/2
Dimethylacetamide	A
Dimethyl sulfoxide (DMSO)	B/1/2
Dimethylaniline	A
Dimethylformamide (DMF)	B/1/2

List of Reagents

Chemicals A - Z	
E	
Ethanol	A
Ethanolamine	B/2
Ether	B/2
Ethyl acetate	B/2
Ethylbenzene	B/2
Ethylene chloride	B/2
Ethylene diamine	A
Ethylene glycol	A
F	
Fluoroacetic acid	B/1/2
Formaldehyde (Formalin)	A
Formamide	A
Formic acid	B/1/2
G	
Gamma-butyrolactone	A
Gasoline	B/2
Glycerin <40%	A
Glycolic acid 50%	A
H	
Heating oil (Diesel oil)	A
Heptane	A
Hexane	A
Hexanoic acid	A
Hexanol	A
Hydriodic acid	B/1/2
Hydrobromic acid	B/1/2
Hydrochloric acid 20% (HCl)	B/1
Hydrochloric acid 37% (HCl)	B/1
Hydrofluoric acid (HF)	C/4
Hydrogen peroxide	B/2
I	
Iodine	B/1/2
Iodine bromide	C/1/2
Iodine chloride	C/1/2
Isoamyl alcohol	A
Isobutanol	A
Isooctane	A
Isopropanol	A
Isopropyl ether	B/2
Iso-propylamine	B/2
K	
Kerosene	A
L	
Lactic acid	B/2
M	
2-Methoxyethanol	A
Methanol	A
Methoxybenzene (Anisol)	B/2
Methyl benzoate	B/2
Methyl chloride (Chloromethane)	B/2

List of Reagents

Chemicals A - Z	
Methyl ethyl ketone (MEK/Butanone)	B/2
Methyl formate	A
Methyl iodide (Iodomethane)	B/1/2
Methyl methacrylate (MMA)	B/2
Methyl propyl ketone (2-Pentanone)	A
Methyl tert-butyl ether	B/2
Methylene chloride (Dichloromethane) (DCM)	B/1/2
Methylpentanone	A
Mineral oil (engine oil)	A
Monochloroacetic acid	B/2
N	
Nitric acid 100%	B/1
Nitric acid 30-70%	B/1
Nitric acid dil. <30%	B/1
Nitrobenzene	B/1/2
Nitromethane	B/2
N-methyl-2-pyrrolidone (NMP)	A
O	
Octane	A
Octanol	A
Oil (vegetable, animal)	B/2
Oil of turpentine	B/2
Oleic acid	B/1/2
Oleum (Fuming Sulfuric acid)	B/1/2
Oxalic acid	B/2
P	
Pentane	B/2
Peracetic acid	B/2
Perchloric acid 100%	B/1/2
Perchloric acid diluted	B/1/2
Perchloroethylene	B/2
Petroleum	B/2
Petroleum ether / spirit	B/2
Phenol	A
Phenylethanol	B/2
Phenylhydrazine	B/2
Phosphoric acid 100%	B/1
Phosphoric acid 85%	B/1
Piperidine	B/2
Potassium chloride	B/2
Potassium dichromate	B/1/2
Potassium dihydrogen phosphate	B/1/2
Potassium hydroxide	B/3
Potassium iodide	B/1/2
Potassium permanganate (persulfate)	B/1/2
Potassium peroxydisulfate	B/1/2
Potassium sulfate	B/1/2
Propionic acid (Propanoic acid)	B/2
Propylene glycol (Propane-1,2-diol)	A

List of Reagents

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Propylene oxide	A
Picric acid (Trinitrophenol)	B/2
Pyridine	B/2
Pyruvic acid	A
R	
Resorcin	A
S	
Salicylaldehyde	A
Scintillation fluid	A
Silver acetate	B/1/2
Silver nitrate	B/1/2
Sodium acetate	B/1/2
Sodium chloride (kitchen salt)	B/3
Sodium dichromate	B/1/2
Sodium fluoride	B/1/2
Sodium hydroxide 30%	B/3
Sodium hypochlorite	B/3
Sodium thiosulfate	B/3
Sulfonitric acid 100%	B/1/2
Sulfur dioxide	B/1/2
Sulfuric acid 100%	B/1/2
Sulfuric acid <10%	B/1
Sulfuric acid (10-75%)	B/1
Sulfuric acid (Cold conc.)	B/1/2
Sulfuric acid (Hot conc.)	B/1/2
T	
1,1,2-Trichlorotrifluoroethane	B/2
Tartaric acid	B/1
Tetrachlorethylene	B/2
Tetrahydrofuran (THF)	B/2
Tetramethylammonium hydroxide	B/3
Toluene	B/2
Trichlorethylene	B/2
Trichloroacetic acid	B/2
Trichlorobenzene	B/2
Trichloroethane	B/2
Triethanolamine	B/2
Triethylamine	B/2
Triethylene glycol	A
Trifluoroacetic anhydride (TFAA)	B/1/2
Trifluoromethane (Fluoroform)	B/1/2
U	
Urea	A
X	
Xylene	B/2
Z	
Zinc chloride 10%	B/3
Zinc sulfate 10%	B/3