

13. Chemical Compatibility Chart

Storage Conditions

Store the instrument and accessories only in clean conditions in a cool and dry place.

Chemical Compatibility Table

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 Dispenser. However, safety precautions and recommendations in operating instructions must be followed carefully.

Code explanations

A = Good resistance

B = Acceptable with limitations

C = Not recommended

1 = Acid vapours (better resistance with lower concentration).

Rinse the instrument in the rinse mode otherwise do not leave instrument on bottle.

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

Rinse the instrument in the rinse mode otherwise do not leave instrument on bottle.

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

List of Reagents

Chemicals A - Z

A		C	
Acetaldehyde	A	Calcium carbonate	A
Acetic acid (glacial), 100%	B/2	Calcium chloride	A
Acetic acid, 96%	A	Calcium hydroxide	A
Acetic anhydride	B/2	Calcium hypochlorite	A
Acetone(Propanone)	B/2	Carbon disulfide	B/2
Acetonitrile (MECN)	A	Carbon tetrachloride	B/2
Acetophenone	B/2	Chlorine dioxide	B/2
Acetyl chloride	B/2	Chlorine water	B/2
Acetylacetone	A	Chloro naphthalene	B/2
Acrylic acid	A	Chloroacetaldehyde, ≤45%	A
Acrylonitrile	B/2	Chloroacetic acid	A
Adipic acid	A	Chloroacetone	B/2
Allyl alcohol	A	Chlorobenzene	B/2
Aluminium chloride	A	Chlorobutane	B/2
Amino acids	A	Chloroethanol	B/2
Ammonia, 20%	B/2	Chloroform (Trichloromethane)	B/2
Ammonia, 20-30%	B/2	Nitro-hydrochloric acid (Aqua regia)	B/2
Ammonium chloride	A	Chlorosulfonic acid	B/2
Ammonium fluoride	A	Chlorosulfuric acid 100%	B/1/2
Ammonium molybdate	A	Chromic acid, 100%	B/1/2
Ammonium sulfate	A	Chromosulfuric acid	C/1/2
n-Amyl acetate	B/2	Citric acid	A
Amyl alcohol (Pentanol)	A	Copper fluoride	A
Amyl chloride (Chloropentane)	B/2	Copper sulfate	A
Aniline	A	Covi-Ox-T70/Mixed Tocopherol	A
Ascorbic acid	A	Cresol	A
B		Cumene (Isopropyl benzene)	B/2
Barium chloride	A	Cyanoacrylate	A
Benzaldehyde	A	Cyclohexane	B/2
Benzene	B/2	Cyclohexanone	B/2
Benzine (Petroleum benzene) - bp 70-180 °C	A	Cyclopentane	B/2
Benzoyl chloride	B/2	D	
Benzyl alcohol	A	Decane	A
Benzyl amine	A	Di-(2-ethylhexyl) peroxydicarbonate	B/2
Benzyl Chloride	B/2	1-Decanol	A
Bis (2-ethylhexyl) phthalate	B/2	Dibenzyl ether	B/2
Boric acid, 10%	A	Dichloroacetic acid	A
Bromine	C/2	Dichlorobenzene	A
Bromobenzene	B/2	Dichloroethane	A
Bromonaphthalene	A	Dichloroethylene	B/2
Butanediol	A	Dichloromethane	B/1
Butanol	A	Diesel oil (Heating oil), bp 250-350°C	A
Butyl acetate	B/2	Diethanolamine	A
Butyl methyl ether	B/2	Diethylether	B/2
Butylamine	B/2	Diethylamine	B/2
Butyric acid	B/2	1,2 Diethyl benzene	B/2
		Diethylene glycol	A

List of Reagents

D			I		
Dimethylacetamide	A		Isooctane	A	
Dimethyl sulfoxide (DMSO)	B/2		Isopropanol (2-Propanol)	A	
Dimethylaniline	A		Isopropyl ether	B/2	
Dimethylformamide (DMF)	B/2		Iso-propylamine	B/2	
1,4 Dioxane (Diethylene dioxide)	B/2		K		
Diphenyl ether	A		Kerosene	A	
E			L		
Essential oil	A		Lactic acid	A	
Ethanol	A		M		
Ethanolamine	B/2		2-Methoxyethanol	A	
Ether	B/2		Methanol	A	
Ethyl acetate	B/2		Methoxybenzene (Anisol)	B/2	
Ethylbenzene	B/2		Methyl benzoate	B/2	
Ethylene chloride	B/2		Methyl tert butyl ether	B/2	
Ethylene diamine	A		Methyl ethyl ketone (MEK/Butanone)	B/2	
Ethylene glycol	A		Methyl formate	A	
F			Methyl iodide (Iodomethane)	B/2	
Fluoro acetic acid	B/2		Methyl methacrylate (MMA)	B/2	
Formaldehyde, ≤40% (Formalin)	A		Methyl propyl ketone (2-Pentanone)	A	
Formamide	A		Methylene chloride (Chloromethane)	B/2	
Formic acid, ≤100%	A		Methylene chloride -	B/2	
G			(Dichloromethane) (DCM)		
Gamma-butyrolactone	A		Methylpentanone	A	
Gasoline	B/2		Mineral oil (Engine oil)	A	
Glycerin ≤40%	A		Monochloroacetic acid	A	
Glycerol	A		N		
Glycol (Ethylene glycol)	A		Nitric acid 100%	C/3	
Glycolic acid, ≤50%	A		Nitric acid, 30-70%	B/2	
H			Nitric acid dil, <30%	B/2	
Heating oil (Diesel oil), bp 250-350°C	A		Nitrobenzene	B/2	
Heptane	A		Nitromethane	B/2	
Hexane	A		N-methyl-2-pyrrolidone (NMP)	A	
Hexanoic acid	A		O		
Hexanol	A		Oleic acid	A	
Hydriodic acid, ≤57%	B/2		Oxalic acid	A	
Hydrobromic acid	A		Octane	A	
Hydrochloric acid, ≤20%	A		Octanol	A	
Hydrochloric acid, 20-37%	B/1		Oil (Vegetable, Animal)	B/2	
Hydrofluoric acid (HF)	C/3		Oil of turpentine	B/2	
Hydrogen peroxide	A		Oleum (Fuming sulfuric acid)	A	
I			P		
Iodine	A		Pentane	B/2	
Iodine bromide	C/2		Peracetic acid	A	
Iodine chloride	C/2		Perchloric acid 100%	B/2	
Isoamyl alcohol	A		Perchloric acid diluted	A	
Isobutanol	A		Perchloroethylene	B/2	
			Petroleum	B/2	

List of Reagents

P		S	
Petroleum ether, spirit	B/2	Sulfonitric acid 100%	B/2
Phenol	A	Sulfur dioxide	B/2
Phenylethanol	B/2	Sulfuric acid 100%	B/2
Phenylhydrazine	B/2	Sulfuric acid <10%	A
Phosphoric acid 100%	A	Sulfuric acid (10-75%)	B/1
Phosphoric acid, ≤85%	A	Sulfuric acid (Cold conc.)	A
Piperidine	B/2	Sulfuric acid (Hot conc.)	B/2
Potassium chloride	A	T	
Potassium dichromate	A	Tartaric acid	A
Potassium dihydrogen phosphate	A	Tetrachloroethylene	B/2
Potassium hydroxide	A	Tetramethylammonium hydroxide	A
Potassium iodide	A	Toluene	B/2
Potassium permanganate (persulfate)	A	Trichlorethylene	B/2
Potassium peroxydisulfate	A	Trichloroacetic acid	B/2
Potassium sulfate	A	Trichlorobenzene	B/2
Propionic acid (Propanoic acid)	A	Trichloroethane	B/2
Propylene glycol (Propane-1,2-diol)	A	Triethanolamine	A
Propylene oxide	A	Triethylamine	A
Picric acid (Trinitrophenol)	B/2	Trichloroethylene	B/2
Pyridine	B/2	Trichlorotrifluoro ethane	B/2
Pyruvic acid	A	Triethanolamine	A
R		Triethylene glycol	A
Resorcin	A	Trifluoromethane (Fluoroform)	B/2
S		Trifluoro ethane	B/2
Salicylaldehyde	A	Trifluoroacetic anhydride (TFAA)	B/2
Scintillation fluid	A	Turpentine	A
Silver acetate	A	U	
Silver nitrate	A	Urea	A
Sodium acetate	A	X	
Sodium chloride	A	Xylene	B/2
Sodium dichromate	A	Z	
Sodium fluoride	A	Zinc chloride, ≤10%	A
Sodium hydroxide, ≤30%	A	Zinc sulfate, ≤10%	A
Sodium hypochlorite	A		
Sodium thiosulfate	A		

CAUTION:-

Always follow instructions in the operating manual of the dispenser as well as the reagent manufacturer's specifications. In addition to these chemicals, a variety of organic and inorganic saline solutions (e.g., biological buffers), biological detergents and media for cell culture can be dispensed. If used with strong acids, it is advised to rinse & remove dispenser at the end of every working day & store it safely. If require information on chemicals not listed, please contact us.