

## Chemical Resistance Chart at 20°C

Liquids dispensed with the dispenser will be in contact, constantly, with the following materials: Borosilicate glass, (BSG), PTFE & FEP. The following table is a guide to help with the queries regarding liquid compatibility.

Please note that these tables are just a guide. We recommend that if there is a question regarding liquid compatibility you should exercise caution in use and refer to other chemical tables where available. Good laboratory practice would be to rinse out the liquid handling unit at the end of each day with distilled water to prevent corrosive liquids being left in contact with the parts for too long.

CHEMICAL Acids	BSG	PTFE	FEP
Acetic, Glacial	R		
Acetic, 25%	R	R	R
Hydrochloric, Concentrated	R		
Hydrochloric, 25%	R	R	R
Sulphuric, concentrated	R		
Sulphuric, 25%	R	R	R
Nitric, Concentrated	R		
Nitric, 25%	R		
Phosphoric, 25%	R	R	R
Formic, 25%	R	R	R
Trichloroacetic 10%	R	R	R
Formic Acid, 85%	R	R	R
Arsenic Acid	R		
Boric Acid, 10%	R	R	R
Chromic Acid, 20%	R	R	R
Hydrofluoric Acid, 35%	NR	Exceptions	R
Phosphoric Acid 85%	R	R	R
Nitric Acid, 50%	R	R	R
Sulphuric Acid, 95%	R	R	R
<b>Alkalies</b>			
Ammonium Hydroxide, 25%	R	R	R
Sodium Hydroxide	R	R	R
Potassium Hydroxide	R	R	R
Sodium Hydroxide	R	R	R
<b>Alcohols</b>			
Methanol, 98%	R	R	
Ethanol, 98%	R		
Ethanol, 70%	R		
Isopropanol, n-Propanol	R		
Amyl Alcohol, Butanol	R		
Benzyl Alcohol	R	R	R
Ethylene Glycol	R	R	R
Propylene Glycol	R	R	R
Glycerol	R	R	R
<b>Hydrocarbons</b>			
Hexane, Xylene	R	R	R
Toluene, Benzene	R	R	R
Kerosene, Gasoline	R		
Tetralin, Decalin	R		
<b>Halogenated Hydrocarbons</b>			
Methyl Chloride	R		
Chloroform	R	R	R
Trichloroethylene	R	R	R
Monochlorobenzene, Freon	R		
Carbon Tetrachloride	R	R	R
<b>Ketones</b>			
Acetone	R	R	R
Methyl Ethyl Ketone	R	R	
Isopropylacetone	R		
Methyl Isobutyl Ketone	R		

CHEMICAL Acids	BSG	PTFE	FEP
Ethyl Acetate	R	R	
Methyl Acetate	R		
Amyl & Propyl Acetate	R		
Butyl Acetate	R	R	R
Propylene Glycol Acetate	R		
2-Ethoxyethyl Acetate	R		
Methyl Cellosolve Acetate	R		
I Benzoate	R		
Isopropyl Myristate	R		
Tricesyl Phosphate	R		
<b>Oxides-Ethers</b>			
Ethyl Ether	R		
1,4 Dioxane & Tetrahydrofuam	R	R	R
Dimethylsuphoxide(DMSO)	R	R	R
Isopropyl Ether	R		
<b>Solvents with Nitrogen</b>			
Dimethyl Formamide	R	R	R
Diethylacetamide	R	R	
Triethanolamine	R		
Aniline	R	R	R
pyridine	R	R	R
<b>Miscellaneous</b>			
Phenol, Aqueous, 10%	R		
Formaldehyde Solution, 30%	R	R	R
Hydrogen Peroxide, 30%	R	R	R
Silicone Oil & Mineral Oil	R		
Pyridine	R	R	R
Acetaldehyde	R	R	R
Ammonia, 25% ac. Sol.	R	R	
Ammonium	R		
Calcium Chloride aq. Sol	R	R	R
Chlorine	R	R	R
Chlorobenzene	R		
Fluorinated Hydrocarbones	R		
Hexane	R	R	R
Iodine (tincture of)	R	R	
Potassium Chloride aq. Sol.	R		
Potassium Permanganate aq. Sol.	R		
Magnesium Chloride aq. Sol.	R		
Methylene Chloride	R	R	R
Sodium Carbonate	R		
Sodium Dicromate	R	R	R
Phenol, 100%	R	R	R
Mercury	R	R	R
Silver Nitrate	R	R	R
Toluene	R	R	R
Hydrogen Peroxide, 30%	R	R	R
Xylene	R	R	R
Zinc Chloride, 10%	R	R	R
Zinc Sulphate, 10%	R	R	R

**KEY:**

R= RESISTANT

SR=SLIGHTLY RESISTANT

VR= VIRTUALLY RESISTANT

NR=NON-RESISTANT

**EXCEPTIONS= RESISTANT WITH EXCEPTIONS**

**NOTES:** Depends on temperature Up to 300° C