

Cost Effective Equipment - Chemical Compatibility

	LDPE	HDPE	Polypropylene	Teflon (PTFE)	FEP	Delrin (Acetal)	Peek	Polycarbonate	Viton	EPDM	304SS	316 SS
A = NO ATTACK, LITTLE OR NO ABSORPTION												
B = SLIGHT ATTACK, SLIGHT REDUCTION IN PROPERTIES												
C = MODERATE ATTACK, LARGE REDUCTION IN PROPERTIES												
D = MATERIAL NOT RECOMMENDED IN THE CHEMICAL												
* = NO DATA AVAILABLE IN THE CHEMISTRY												
ACETALDEHYDE (50%)	A	A	B	A	A	A	A	D	D	A	A	A
ACETIC ACID (50%)	A	A	B	A	A	C	A	B	B	A	C	B
ACETONE	B	B	A	A	A	A	A	D	D	A	A	A
ALCOHOLS, ALIPHATIC	A	A	A	A	A	A	A	A	A	A	A	A
AMMONIA (50%)	C	A	A	A	A	A	A	*	D	A	B	A
AMMONIA GAS	C	A	A	A	A	D	A	D	D	A	B	A
AMMONIUM CHLORIDE (50%)	A	A	A	A	A	A	A	A	A	A	C	C
ANILINE	C	B	A	A	A	B	A	C	A	A	A	A
ANISOLE	C	A	B	A	A	A	A	D	D	D	A	A
BARIUM CHLORIDE (50%)	A	B	A	A	A	A	A	A	A	A	A	B
BENZALDEHYDE	A	B	D	A	A	A	A	D	D	A	A	A
BENZENE	D	D	D	A	A	A	A	D	A	D	A	A
BENZENESULFONIC ACID	A	A	D	A	A	C	D	D	A	D	A	A
BENZYL ALCOHOL	D	C	D	A	A	A	A	D	A	B	A	A
BORIC ACID (50%)	A	A	A	A	A	*	A	D	A	A	A	A
BROMINE (50%)	D	D	D	*	A	D	B	D	A	D	D	D
BUTANOL	A	A	B	A	A	A	A	A	A	C	A	A
BUTYLAMINE	C	C	B	A	A	D	A	D	D	D	A	A
BUTYRIC ACID	D	D	B	A	A	A	A	D	B	D	A	A
CALCIUM CHLORIDE (50%)	B	A	A	A	A	A	A	A	A	B	A	A
CARBON DISULPHIDE	D	D	D	A	A	A	A	D	A	D	A	A
CARBONIC ACID (50%)	B	B	A	A	A	A	A	*	A	*	B	B
CHLOROACETIC ACID (50%)	D	A	C	A	A	D	A	*	D	C	D	D
CHLORINE (50%)	D	B	D	A	A	D	D	D	A	D	A	A
CHLORINE GAS	D	B	D	A	A	D	A	B	A	D	A	A
CHLOROBENZENE	C	D	C	A	A	A	A	D	A	D	A	A

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POTASSIUM HYDROXIDE (50%)	A	A	A	C	A	D	A	D	B	A	A	A
POTASSIUM NITRATE (50%)	A	B	A	A	A	B	A	A	A	A	A	A
POTASSIUM SULFITE (50%)	A	B	A	A	A	*	A	*	A	A	A	A
PYRIDINE	B	D	A	A	A	B	A	D	D	D	A	A
SODIUM ACETATE (50%)	A	A	A	A	A	A	A	*	D	A	A	A
SODIUM BICARBONATE (50%)	A	A	A	A	A	A	A	A	A	A	A	A
SODIUM BROMIDE (50%)	A	A	A	A	A	A	A	*	A	A	B	B
SODIUM CARBONATE (50%)	B	A	A	A	A	A	A	*	A	A	A	A
SODIUM CHLORIDE (50%)	A	A	A	A	A	A	A	A	A	A	A	A
SODIUM HYDROXIDE (50%)	D	C	A	B	A	D	A	C	D	A	A	A
SODIUM HYPOCHLORITE	B	C	B	A	A	D	A	B	A	C	C	B
SODIUM NITRATE (50%)	A	B	A	A	A	A	A	C	A	A	A	A
SODIUM SILICATE	A	A	A	A	A	*	A	A	A	A	A	A
SODIUM SULFATE (50%)	A	A	A	A	A	*	A	A	A	A	A	A
SODIUM SULFIDE (50%)	A	B	A	A	A	*	A	*	A	A	A	A
SULFUR CHLORIDE	C	C	C	A	A	*	A	*	A	D	A	A
SULFUR DIOXIDE (GAS)	A	A	A	A	A	D	A	A	A	A	A	A
SULFURIC ACID (50%)	A	A	A	A	A	D	A	*	A	D	C	B
SULFURIC ACID (CONCENTRATED)	C	B	A	A	A	D	D	*	A	D	C	B
SULFUROUS ACID (50%)	B	B	A	A	A	D	A	A	A	C	A	A
TMAH	C	A	A	A	A	B	A	C	C	A	C	C
TETRAHYDROFURAN	C	C	C	A	A	B	A	D	D	D	A	A
TOLUENE	C	D	C	A	A	B	A	D	C	D	A	A
TRICHLOROETHYLENE	D	D	C	A	A	D	A	D	A	D	A	A
UREA	A	A	A	A	A	A	A	A	A	A	A	A
XYLENE	B	D	B	A	A	A	A	D	B	D	A	A

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	LDPE	HDPE	Polypropolyne	Teflon (PTFE)	FEP	Delrin (Acetal)	Peek	Polycarbonate	Viton	EPDM	304SS	316 SS		
ZINC CHLORIDE (50%)	A	A	A	A	A	D	A	A	A	A	A	A		

