

Chemical resistance, iQ Optima, with new iQ PUR

Acids		Concentration	Time	Results
Acetic acid	CH ₃ COOH	85 %	2min 2h	0 0
Chromic acid	H ₂ CrO ₄	40 %	2min 2h	0 1
Citric acid	C ₆ H ₈ O ₇	50 %	2h	0
Hydrochloric acid	HCl	37 %	2min 2h	0 0
Hydrofluoric acid	HF	40%	2min 2h	0 0
Phosphoric acid	H ₃ PO ₄	38 %	2h	0
Latic acid	C ₃ H ₆ O ₃	90 %	2h	0
Nitric acid	HNO ₃	30 %	2min 2h	0 0
Oxalic acid	C ₂ H ₂ O ₄	10 %	2h	0
Sulphuric acid	H ₂ SO ₄	30 %	2h	0

Organic solvents		Concentration	Time	Results
Acetone	C ₃ H ₆ O		2min 2h	0 0
Chloroform	CHCl ₃		2min 2h	0 0
Cyclohexane	C ₆ H ₁₂		2min 2h	0 0
Ethanol	C ₂ H ₅ OH		2min 2h	0 0
Ethyl acetate	C ₄ H ₈ O ₂		2min 2h	0 0
Ethylene glycol	C ₂ H ₆ O ₂		2h	0
Diethyl ether	(C ₂ H ₅) ₂ O		2min 2h	0 0
Glycerol	C ₃ H ₈ O ₃		2h	0
n-Hexane	C ₆ H ₁₄		2h	0
Isopropanol	C ₃ H ₇ OH		2h	0
Formaldehyde solution	CH ₂ O	37 %	2h	0
Methanol	CH ₃ OH		2h	0
Methyl ethyl ketone, MEK	C ₄ H ₈ O		2min 2h	1 2
Pet.ether - Bensin Ki 80-110°C	CAS-nr: 64742-49-0		2h	0
Phenol	C ₆ H ₆ O	5%	2min 2h	0 1
Toluene	C ₇ H ₈		2min 2h	0 1
White spirit	EG/EC/EF-nr: 265-191-7		2min 2h	0 0

Alkali (Bases)		Concentration	Time	Results
Ammonia solution	NH ₃	25%	2h	0
Calcium hydroxide	Ca(OH) ₂	10%	2h	0
Sodium hydroxide	NaOH	10%	2h	0

Salt solutions		Concentration	Time	Results
Ammonium carbonate	(NH ₄) ₂ CO ₃	10%	2h	0
Ammonium iron (III) sulphate	NH ₄ Fe(SO ₄) ₂	10%	2h	0
Calcium Chloride	CaCl ₂	Saturated	2h	0
Copper (II) sulphate	CuSO ₄	10%	2h	0
Ferrous (II) chloride	FeCl ₂	10%	2h	0
Potassium iodide	KI	10%	2h	0
Potassium oxalate	K ₂ C ₂ O ₄	10%	2h	0
Potassium permanganate	KMnO ₄	5% in H ₂ O	2min 2h	0 3
Silver nitrate	AgNO ₃	2%	2h	0
Sodium carbonate	Na ₂ CO ₃	20%	2h	0
Sodium hypochlorite	NaOCl	12%	2h	0
Sodium thiosulphate	Na ₂ S ₂ O ₃	10%	2h	0

Medical chemicals		Concentration	Time	Results
Aniline blue		2,5% in ethanol	2h	0
Betadine skin cleanser		75 mg/ml	2h	0
Bromcresol green		0,4 %	2h	0
Eosin		1 % in ethanol	2min 2h	0 0
Hibitane		0,5%	2h	0
Iodine	I ₂	1% in ethanol	2min 2h	0 1

Disinfectants/cleaning compounds		Concentration	Time	Results
Buraton 10F	Schülke &Mayr	10 %	2h	0
Citrosteril	Fresenius	Conc.	2h	0
Decon-Spore 200 Plus	Veltek Associates,Inc	5 %	2h	0
Dialox	Gambro	Conc.	2h	0
Gevisol	Schülke &Mayr	5 %	2h	0
Incidur	Henkel	3 %	2h	0
Lycetol AF	Schülke &Mayr	5 %	2h	0
Melsept	B Braun	5 %	2h	0
Perform	Schülke &Mayr	2,5 %	2h	0
Sekumatic	Henkel	5 %	2h	0
Sekusept Plus	Henkel	5 %	2h	0
Terralin N	Schülke &Mayr	10 %	2h	0
Tiutol KF	B. Braun	10 %	2h	0
Virkon S	Sterisol AB	2,5 %	2h	0
Incidin Plus	Ecolab	5 %	2h	0
Incidin Extra N	Ecolab	5 %	2h	0
Mikrobac forte	BODE Chemi	5 %	2h	0
Hexaquart plus	B. Braun	2,5 %	2h	0

Miscellaneous chemicals		Concentration	Time	Results
EDTA	$C_{10}H_{16}N_2O_8$	10%	2h	0
Hydrogen peroxide	H_2O_2	30%	2h	0
Hydraulic fluid DET 26			2h	0