

(A) Excellent = Recommended

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Chemical	Concentration (%)	Temp.		PVC	CPVC	PP	PVDF	TEFLON	VITON	EPDM	NITRILE	Chemical	Concentration (%)	Temp.		PVC	CPVC	PP	PVDF	TEFLON	VITON	EPDM	NITRILE						
		°C	°F											°C	°F														
Zinc Acetate (CH ₃ COO) ₂ Zn·2H ₂ O		20	68	A	A	A	A	A	A	A	A	Hydrochloric Acid	25	20	68	A	A	A	A	A	A	A	A	A	A				
		40	104	A	A	A	A	A	A	A	A			Ferric Chloride	(1:1)	40	104	A	A	A	A	A	A	A	A	A	A		
		60	140	A	A	A	A	A	A	A	A					28		60	140	A	A	A	A	A	A	A	A	A	A
		80	176	A	A	A	A	A	A	A	A							100	212	80	176	A	A	A	A	A	B	B	
		100	212				A	A	A							120	248			100	212		B	B	A	A	C		
120	248				A	A					120	248						B	A										
Zinc Bromide ZnBr ₂	Satu	20	68	A	A	A	A	A	A	A	A	Hydrochloric Acid	20	20	68				A	A	A	A							
		40	104	A	A	A	A	A	A	A	A			(1:1)		40	104				A	A	A	A					
		60	140	A	A	A	A	A	A	A	A					28		60	140				A	A	A	A			
		80	176				A	A										100	212	80	176				A	A	B	B	
		100	212													120	248			100	212				A	A	C		
120	248										120	248						A	A										
Zinc Chloride ZnCl ₂		20	68	A	A	A	A	A	A	A	A	Hydrochloric Acid	25	20	68				A	A					A				
		40	104	A	A	A	A	A	A	A	A			(1:1)		40	104				A	A					A		
		60	140	A	A	A	A	A	A	A	A					28		60	140				A	A					A
		80	176		A	A	A	A	A	A								100	212	80	176				A	A			
		100	212				A	A	A							120	248			100	212				A	A			
120	248				A	A					120	248						A	A										
Zinc Cyanide Zn(CN) ₂		20	68	A		A	A	A	A	A	A	Hydrochloric Acid	10	20	68	A	A		A	A									
		40	104				A	A						(1:1)		40	104	B	B		A	A							
		60	140				A	A								15		60	140	B	B		A	A					
		80	176															100	212	80	176	X	X		A	A			
		100	212													120	248			100	212				A	A			
120	248										120	248						A	A										
Zinc Nitrate Zn(NO ₃) ₂ ·6H ₂ O		20	68	A	A	A	A	A	A	A	A	Hydrochloric Acid	18	20	68	A	A		A	A									
		40	104	A	A	A	A	A	A	A	A			(1:1)		40	104	B	B		A	A							
		60	140	A	A	A	A	A	A	A	A					20		60	140	B	B		A	A					
		80	176		A	A	A	A	A	A	B							100	212	80	176		B		A	A			
		100	212				A	A	A							120	248			100	212				A	A			
120	248				A	A					120	248						B	A										
Zinc Sulfate ZnSO ₄		20	68	A	A	A	A	A	A	A	A	Hydrochloric Acid	20	20	68	A	A	B	A	A	A	A	B						
		40	104	A	A	A	A	A	A	A	A			100g		40	104	A	A	C	A	A	A	B					
		60	140	A	A	A	A	A	A	A	A					50		60	140	B	B	X	A	A					
		80	176		A	A	A	A	A	A	B							5g		80	176		C		A	A			
		100	212				A	A	A							120	248			100	212				A	A			
120	248				A	A					120	248						B	A										
Mixed Chemicals												Hydrochloric Acid	36 %	20	68	B	B	B	A	A	B	B							
														40	104	B	B	B	A	A	B	B							
												Ortho-chloro-phenal	170 PPM	60	140	B	B	B	A	A	B	C							
														80	176				A	A	B								
Hydrochloric Acid	36%	20	68	B	B	B	A	A	B	B																			
		40	104	B	B	B	A	A	B	B																			
Allyl Chloride	12 PPM	60	140				A	A	B	C																			
		80	176				A	A	B																				
Hydrochloric Acid	36%	100	212				B	A	C																				
		120	248				B	A																					
Hydrochloric Acid	100g	20	68	A	A	A	A	A	A	A																			
		40	104	A	B	A	A	A	A	A	A																		
Benzene	54 PPM	60	140	B	B	A	A	B	C																				
		80	176		B	B	A	A	B																				
Hydrochloric Acid	36%	100	212				B	A	C																				
		120	248				B	A																					
Hydrochloric Acid	18%	20	68	A	A	A	A	A	B	B																			
		40	104	B	B	B	A	A	B	C																			
Chloro-benzene	490 PPM	60	140	B	B	B	A	A	B																				
		80	176		B	B	A	A	C																				
Hydrochloric Acid	36%	100	212				A	A																					
		120	248				B	A																					
Hydrochloric Acid	250	20	68	A	A	X	A	A	X	X																			
		40	104	A	A		A	A																					
Chromic Acid	8 g/l	60	140	B	B		A	A																					
		80	176		C		A	A																					
Ammonium Fluoride	8 g/l	100	212				A	A																					
		120	248				A	A																					

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Chemical	Concentration (%)	Temp.		PVC	CPVC	PP	PVDF	TEFLON	VITON	EPDM	NITRILE	Chemical	Concentration (%)	Temp.		PVC	CPVC	PP	PVDF	TEFLON	VITON	EPDM	NITRILE
		°C	°F											°C	°F								
Chromic Acid	220	20	68	A	A	X	A	A	X	X		Sulfuric Acid	4	20	68	B	B	X	A	A	X	X	
		40	104	B	B		A	A						40	104	B	B		A	A			
Chromium Sulfate	1	60	140	B	B		A	A				Chromic Acid	400 g/l	60	140		B		A	A			
		80	176		B		A	A						80	176		C		A	A			
Sodium Silicofluoride	12 g/l	100	212				A	A				Chromic Acid	400 g/l	100	212				A	A			
		120	248				A	A						120	248				B	A			
Chromic Acid	350	20	68	A	A	X	A	A	X	X		Sulfuric Acid	15	20	68	A	A	X	A	A	A	B	
		40	104	B	B		A	A						40	104	A	A		A	A	A	B	
Sodium Silicofluoride	17	60	140	C	C		A	A				Chromic Acid	5	60	140	B	B		A	A	B	C	
		80	176				A	A						80	176				A	A	C	X	
Oxalix Acid	1 g/l	100	212				A	B				Phosphoric Acid	80 parts	100	212				A	A	X		
		120	248				A	B						120	248				A	A			
Nitric Acid	15	20	68	A	A	A	A	A				Sulfuric Acid	2	20	68	A	A	X	A	A	A	X	
		40	104	A	A	A	A	A						40	104	A	A		A	A	B		
Hydrofluoric Acid	(1:1)	60	140	B	B	B	A	A				Chromic Acid	10	60	140	B	B		A	A	C		
		80	176	X	X		A	A						80	176		B		A	A	X		
Hydrofluoric Acid	3	100	212				A	A				Water	80 parts	100	212				A	A			
		120	248				A	A						120	248				A	A			
Nitric Acid	15	20	68	A	A	A	A	A	A	A		Sulfuric Acid	0.7	20	68	A	A	X	A	A	A	X	X
		40	104	A	A	A	A	A	A	B				40	104	A	A		A	A			
Hydrofluoric Acid	(1:1)	60	140	B	C	X	A	A	B			Chromic Acid	250	60	140	B	B		A	A			
		80	176	X	X		A	A	B					80	176		B		A	A			
Hydrofluoric Acid	5	100	212				A	A	C			Sodium Silicofluoride	1 g/l	100	212				A	A			
		120	248				B	A	X					120	248				A	A			
Nitric Acid	15	20	68	A	B	B	A	A				Sulfuric Acid	20	20	68	A	A	X	A	A	A	A	
		40	104	B	C	B	A	A						40	104	B	B		A	A	B	B	
Hydrofluoric Acid	(1:1)	60	140	B	C		A	A				Hydrofluoric Acid	10	60	140	B	B		A	A	C	C	
		80	176	X	X		A	A						80	176		C		A	A			
Hydrofluoric Acid	10	100	212				B	A				Hydrofluoric Acid	10	100	212				A	A			
		120	248				B	A						120	248				B	A			
Nitric Acid	15	20	68	A	B	B	A	A				Sulfuric Acid	25	20	68	A	A	X	A	A			
		40	104	B	C	B	A	A						40	104	B	B		A	A			
Hydrofluoric Acid	(1:1)	60	140	B	C		A	A				Hydrofluoric Acid	(1:1)	60	140	B	B		A	A			
		80	176	X	X		A	A						80	176	X	X		A	A			
Hydrofluoric Acid	15	100	212				B	A				Hydrofluoric Acid	15	100	212				B	A			
		120	248				B	A						120	248				B	A			
Nitric Acid	5	20	68	A	A	A	A	A				Sulfuric Acid	75	20	68	A	A	B	A	A			
		40	104	B	B	B	A	A						40	104	A	A	B	A	A			
Hydrofluoric Acid	(1:1)	60	140	B	B	B	A	A				Nitric Acid	5	60	140	B	B	C	A	A			
		80	176	X	B	C	A	A						80	176		B		A	A			
Hydrofluoric Acid	20	100	212				B	A				Chlorine Gas	Trace	100	212				A				
		120	248				B	A						120	248				A				
Nitric Acid	50	20	68	B	B	B	A	A				Sulfuric Acid	75	20	68	A	A	A	A	A	A	A	
		40	104	X	X	X	A	A						40	104	A	A	B	A	A	B	A	
Sulfuric Acid	50	60	140				A	A				Sulfurous Acid	4	60	140	A	A	B	A	A	C	B	
		80	176				A	A						80	176		B	B	A	A	X	C	
Sulfuric Acid	100g	100	212				A	A				Sulfurous Acid	4	100	212				A	A			
		120	248				A	A						120	248				A	A			
Sulfuric Acid	2	20	68	A	A	X	A	A	A	B		Sulfuric Acid	150	20	68	A	A	A	A	A	A	A	
		40	104	A	A		A	A	B					40	104	A	A	A	A	A	A	A	
Chromic Acid	(1:1)	60	140	B	B		A	A	C			Spelter	80	60	140	A	A	A	A	A	A	A	
		80	176		B		A	A	X					80	176		B	B	A	A	B	B	
Chromic Acid	1	100	212		C		A	A				Manganese Sulfate	2 g/l	100	212				A	A			
		120	248				A	A						120	248				A	A			
Sulfuric Acid	10	20	68	A	B	X	A	A	A	B		Sodium Sulfate	225	20	68	A	A	A	A	A	A	A	B
		40	104	B	B		A	A	B					40	104	A	A	A	A	A	A	A	
Chromic Acid	(1:1)	60	140	C	X		A	A	C			Sulfuric Acid	225	60	140		A	A	A	A	A		
		80	176				A	A						80	176		B	B	B	B	A		
Chromic Acid	10	100	212				A	A				Formaldehyde	50 g/l	100	212				B	B	A		
		120	248				A	A						120	248								
Sulfuric Acid	10	20	68	A	B	X	A	A	B	C		Sulfuric Acid	98	20	68				A	A			
		40	104	B	B		A	A	C					40	104				A	A			
Chromic Acid	(1:1)	60	140	C	X		A	A	X			Phosphoric Acid	(1:1)	60	140				C	B			
		80	176				A	A						80	176								
Chromic Acid	25	100	212				A	A				Phosphoric Acid	80	100	212								
		120	248				B	A						120	248								