Chemicals: Ethyl Oxalate - Formaldehyde

(A) **Excellent** = Recommended (B) **Good** = Recommended (C) **Fair** (limited life) (X) **Not Recommended**

Chemical	Concentration (%)	Temp. °C	Temp. °F	PVC	CPVC	PP	PVDF	TEFLON	VITON	EPDM	NITRILE
Ethyl Oxalate $(COOC_2H_5)_2$		20	68				X	A	X	A	X
		40	104					A			
		60	140					A			
		80	176								
		100	212								
		120	248								
Ethylene Bromide $CH_2Br\text{-}CH_2Br$	Pure	20	68	X	X		A	A	C	B	X
		40	104				A	A			
		60	140				A	A			
		80	176				A	A			
		100	212					A			
		120	248					A			
Ethylene Chloride (Ethylene Dichloride) $ClCH_2CH_2Cl$		20	68	X	X	B	A	A	A	X	X
		40	104			X	A	A			
		60	140				A	A			
		80	176				A	A			
		100	212					A			
		120	248					A			
Ethylene Chlorohydrin $ClCH_2\text{-}CH_2OH$	Pure	20	68	X	X	A	B	A	X	A	X
		40	104				C	A			
		60	140					A			
		80	176					A			
		100	212								
		120	248								
Ethylene Diamine $NH_2CH_2CH_2NH_2$	Pure	20	68	X	X	B	X	A		A	A
		40	104					A			
		60	140					A			
		80	176					A			
		100	212					A			
		120	248								
Ethylene Glycol $HOCH_2\text{-}CH_2OH$	Pure	20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A	A	A
		60	140	A	A	A	A	A	A	A	A
		80	176		B	A	A	A	A	A	A
		100	212				A	A	A		
		120	248				A	A			
Ethylene Oxide $CH_2\ CH_2$ O	Pure	20	68	X	X		B	A	X	X	X
		40	104				C	A			
		60	140				C	A			
		80	176				X	A			
		100	212								
		120	248								
Fatty Acids RCOOH		20	68	A	B	A	A	A	A	X	A
		40	104	A	B	B	A	A			
		60	140	A	B	B	A	A			
		80	176			C	A	A			
		100	212				A	A			
		120	248				A	A			
Ferrous Chloride $FeCl_2$	Satu	20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A	A	A
		60	140	B	A	A	A	A	A	A	A
		80	176		A	A	A	A	A	A	B
		100	212				A	A	B		
		120	248				A	A			
Ferric Hydroxide $Fe(OH)_3$	Satu	20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A	A	A
		60	140	A	A	A	A	A	A	A	A
		80	176		A	A	A	A	A	A	B
		100	212				A	A			
		120	248				A	A			
Ferric Nitrate $Fe(NO_3)_3$	Satu	20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A	A	A
		60	140	A	A	A	A	A	A	A	A
		80	176		A	B	A	A	A	A	B
		100	212				A	A	A		
		120	248				A	A			

Chemical	Concentration (%)	Temp. °C	Temp. °F	PVC	CPVC	PP	PVDF	TEFLON	VITON	EPDM	NITRILE
Ferric Sulfate $Fe_2(SO_4)_3$		20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A	A	A
		60	140	A	A	A	A	A	A	A	A
		80	176		A	A	A	A	A	A	
		100	212				A	A			
		120	248				A	A			
Ferric Sulfide Fe_2S_3		20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A	A	A
		60	140	A	A	A	A	A	A	A	A
		80	176		B	B	A	A	A	A	B
		100	212				A	A			
		120	248				A	A			
Ferric Chloride $FeCl_3$	Satu	20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A	A	A
		60	140	B	A	A	A	A	A	A	A
		80	176		A	A	A	A	A	A	B
		100	212				A	A	B		
		120	248				A	A			
Ferrous Hydroxide $Fe(OH)_2$	Satu	20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A	A	A
		60	140	A	A	A	A	A	A	A	A
		80	176		A	A	A	A	A	A	B
		100	212				A	A	A		
		120	248				A	A			
Ferrous Nitrate $Fe(NO_3)_2$	Satu	20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A	A	A
		60	140	A	A	A	A	A	A	A	A
		80	176		A	A	A	A	A	A	B
		100	212				A	A	A		
		120	248				A	A			
Ferrous Sulfate $FeSO_4$		20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A	A	A
		60	140	A	A	A	A	A	A	A	A
		80	176		A	A	A	A	A	A	B
		100	212				A	A	B		
		120	248				A	A			
Fluoboric Acid HBF_4	Pure	20	68	A	A	A	A	A	A	A	B
		40	104	A	A	A	A	A	A	A	
		60	140	B	A	A	A	A	A	A	
		80	176		B	B	A	A	A	B	
		100	212				A	A			
		120	248				A	A			
Fluorine Gas F_2	Wet	20	68	A		X	A	A	A	A	
		40	104	B			A	A	A	A	
		60	140	X			A	A	B	B	
		80	176					A			
		100	212					A			
		120	248					A			
Fluorosilicic Acid (Hydrofluoro-silicic Acid) H_2SiF_6	50	20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A	A	B
		60	140	B	B	A	A	A	A	A	B
		80	176		C	B	A	A	A	B	B
		100	212				A	A	A		
		120	248				A	A			
Fluor Sulphonic Acid HSO_4F	50%	20	68				A	A			
		40	104				A	A			
		60	140								
		80	176								
		100	212								
		120	248								
Formaldehyde HCHO	35	20	68	A	A	A	A	A	A	A	
		40	104	A	A	A	A	A	A	A	
		60	140	C	B	A	B	A	A	A	
		80	176			B	X	A	A	A	
		100	212					A			
		120	248					A			

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