

(A) Excellent = Recommended

(C) Fair (limited life)

(B) Good = Recommended

(X) Not Recommended

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									
Sodium Thiocyanate NaSCN		20	68	A	A	A	A	A	A	A	A	Sulfur Chloride S ₂ Cl ₂		20	68			C	A	A	A	X	X	
		40	104	A	A	A	A	A	A	A	A			40	104			X	A	A				
		60	140	A	A	A	A	A	A	A	A			60	140					A				
		80	176				A	A						80	176					A				
		100	212				A	A						100	212					A				
		120	248				B	A						120	248					A				
Sodium Thiosulfate (Photographic Solutions)		20	68	A	A	A	A	A	A	A	A	Sulfur Dichloride SCl ₂		20	68			C	A	A	A	X	X	
		40	104	A	A	A	A	A	A	A	A			40	104			X	A	A				
		60	140	A	A	A	A	A	A	A	A			60	140					A				
		80	176		B	A	A	A	A	A	B			80	176									
		100	212				A	A	A	B	C			100	212									
		120	248				A	A						120	248									
Soybean Oil		20	68	A	A	A	A	A	A	A	A	Sulfur Dioxide Gas SO ₂	Dry	20	68	A	A	A	A	A	A	A	A	
		40	104	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			60	140	A	A	A	A	A		A		
		80	176		B	B	A	A	A					80	176		A	A	A	A		B		
		100	212				A	A						100	212				A	A				
		120	248				A	A						120	248				A	A				
Stannic Chloride (Tin (IV) Chloride) SnCl ₄		20	68	A	A	A	A	A	A	A	A	Sulfur Dioxide Gas SO ₂	Wet	20	68	A	A	A	A	A	A	A	A	
		40	104	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			60	140	B	A	A	A	A	A	A	A	
		80	176		B	B	A	A	A					80	176		B	B	A	A		A		
		100	212				A	A						100	212				A	A				
		120	248				A	A						120	248				A	A				
Stannous Chloride (Tin (II) Chloride) SnCl ₂		20	68	A	A	A	A	A	A	A	A	Sulfur Trioxide SO ₃		20	68	X	X	X	X	B	X	X	X	
		40	104	A	A	A	A	A	A	A	A			40	104									
		60	140	A	A	A	A	A	A	A	A			60	140									
		80	176		B	B	A	A	A					80	176									
		100	212				A	A						100	212									
		120	248				A	A						120	248									
Stearic Acid CH ₃ (CH ₂) ₁₆ COOH		20	68	A	A	A	A	A	B	A	A	Sulfuric Acid H ₂ SO ₄	10	20	68	A	A	A	A	A	A	A	A	
		40	104	A	A	B	A	A	A		A			40	104	A	A	A	A	A	A	A	A	
		60	140	A	A	B	A	A	B		B			60	140	A	A	A	A	A	A	A	A	
		80	176		B		A	A	C					80	176		A	A	A	A	A	A	B	
		100	212				A	A						100	212				A	A	A			
		120	248				A	A						120	248				A	A	A			
Styrene C ₆ H ₅ CH=CH ₂		20	68				A	A	A	X	C	Sulfuric Acid H ₂ SO ₄	30	20	68	A	A	A	A	A	A	A	A	
		40	104				A							40	104	A	A	A	A	A	A	A	A	
		60	140				A							60	140	A	A	A	A	A	A	A	A	
		80	176				A							80	176		A	A	A	A	A	B	B	
		100	212				A							100	212				A	A	A			
		120	248				A							120	248				A	A	A			
Succinic Acid HOOC(CH ₂) ₂ COOH		20	68	A	A	A	A	A	A	A	A	Sulfuric Acid H ₂ SO ₄	50	20	68	A	A	A	A	A	A	A	A	
		40	104	A	A	A	A	A	A	A	A			40	104	A	A	A	A	A	A	A	B	
		60	140	A	A	A	A	A	A	A	A			60	140	A	A	A	A	A	A	A	B	
		80	176		B	B	A	A	A					80	176		A	A	A	A	A	B	C	
		100	212				A	A						100	212				A	A	A			
		120	248				B	A						120	248				A	A	B			
Sugar Liquors		20	68	A	A	A	A	A	A	A	A	Sulfuric Acid H ₂ SO ₄	60	20	68	A	A	A	A	A	A	A	A	
		40	104	A	A	A	A	A	A	A	A			40	104	A	A	A	A	A	A	A	B	
		60	140	A	A	A	A	A	A	A	A			60	140	A	A	A	A	A	A	A	B	
		80	176		A	A	A	A	A					80	176		B	A	A	A	A	C	C	
		100	212				A	A						100	212				A	A	B			
		120	248				A	A						120	248				C	A	C			
Sulfamic Acid HOSO ₂ NH ₂	20	20	68	A	A		A	A	A			Sulfuric Acid H ₂ SO ₄	70	20	68	A	A	A	A	A	A	A	A	B
		40	104	A	A		A	A						40	104	A	A	A	A	A	A	A	B	
		60	140			A	A	A						60	140	A	A	A	A	A	A	B	B	
		80	176				A	A						80	176		B	B	A	A	A	X	X	
		100	212				A	A						100	212				A	A	B			
		120	248				A	A						120	248				C	B	C			
Sulfur S	Pure	20	68	A	A		A	A	A	C	X	Sulfuric Acid H ₂ SO ₄	80	20	68	A	A	A	A	A	A	A	A	B
		40	104	A	A		A	A						40	104	A	A	A	A	A	A	A	B	
		60	140	B	B		A							60	140	B	B	B	A	A	A	B	C	
		80	176		B		A							80	176		C	B	A	A	B	X	X	
		100	212				A							100	212				B	A	C			
		120	248				A							120	248				X	B				

Sulfuric Acid at 90°C: up to 50% – PP rated "A", EPDM rated "B"; 51-93% – PP rated "C".