

**Chemicals: Sodium Thiocyanate - Sulphuric Acid**

(A) Excellent = Recommended    (B) Good = Recommended    (C) Fair (limited life)    (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 <sub>2</sub> Cl <sub>2</sub>		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											
		80	176				A	A	A					80	176											
		100	212				A	A						100	212											
		120	248				B	A						120	248											
Sodium Thiosulfate (Photographic Solutions)		20	68	A	A	A	A	A	A	A	A	Sulfur Dichloride SCl <sub>2</sub>		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											
		80	176		B	A	A	A	A	A	B			C	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 <sub>2</sub>	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 <sub>4</sub>		20	68	A	A	A	A	A	A	A	A	Sulfur Dioxide Gas SO <sub>2</sub>	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 <sub>2</sub>		20	68	A	A	A	A	A	A	A	A	Sulfur Trioxide SO <sub>3</sub>		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 <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> COOH		20	68	A	A	A	A	A	A	B	A	Sulfuric Acid H <sub>2</sub> SO <sub>4</sub>	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	A	B		
		100	212				A	A						100	212					A	A	A				
		120	248				A	A						120	248					A	A	A				
Styrene C <sub>6</sub> H <sub>5</sub> CH=CH <sub>2</sub>		20	68				A	A	A	X	C	Sulfuric Acid H <sub>2</sub> SO <sub>4</sub>	30	20	68	A	A	A	A	A	A	A	A			
		40	104				A	A						40	104	A	A	A	A	A	A	A	A			
		60	140				A	A						60	140	A	A	A	A	A	A	A	A			
		80	176				A	A						80	176		A	A	A	A	A	A	B	B		
		100	212				A	A						100	212					A	A	A				
		120	248				A	A						120	248					A	A	A				
Succinic Acid HOOC(CH <sub>2</sub> ) <sub>2</sub> COOH		20	68	A	A	A	A	A	A	A	A	Sulfuric Acid H <sub>2</sub> SO <sub>4</sub>	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	A	B		
		60	140	A	A	A	A	A	A	A	A			60	140	A	A	A	A	A	A	A	A	B		
		80	176		B	B	A	A	A					80	176		A	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 <sub>2</sub> SO <sub>4</sub>	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	A	B		
		60	140	A	A	A	A	A	A	A	A			60	140	A	A	A	A	A	A	A	A	B		
		80	176		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 <sub>2</sub> NH <sub>2</sub>	20	20	68	A	A	A	A	A				Sulfuric Acid H <sub>2</sub> SO <sub>4</sub>	70	20	68	A	A	A	A	A	A	A	A	B		
		40	104	A	A	A	A	A						40	104	A	A	A	A	A	A	A	A	B		
		60	140			A	A	A						60	140	A	A	A	A	A	A	A	B	B		
		80	176				A	A						80	176		B	B	A	A	A	X	X			
		100	212				A							100	212					A	A	B				
		120	248				A							120	248					C	B	C				
Sulfur S	Pure	20	68	A	A		A	A	A	C	X	Sulfuric Acid H <sub>2</sub> SO <sub>4</sub>	80	20	68	A	A	A	A	A	A	A	A	B		
		40	104	A	A		A							40	104	A	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".