Chemicals: Sodium Hydroxide - Sodium Sulfite

(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	
Sodium Hydroxide (Caustic Soda) NaOH	50	20	68	A	B	A	A	A	X	A	CPE
		40	104	A	B	A	B	A		A	
		60	140	A	C	A	C	A		A	
		80	176		X	A	X	A		A	
		100	212					A			
		120	248					A			
Sodium Hypochlorite (Bleach) NaOCl	3	20	68	A	A	B	A*	A	A	B	A
		40	104	A	A	B	A*	A	B	B	A
		60	140	B	B	B	A*	A	C	C	A
		80	176								B
		100	212								
		120	248								
Sodium Hypochlorite (Bleach) NaOCl	5	20	68	A	A	B	A*	A	A	B	A
		40	104	A	A	B	A*	A	B	B	A
		60	140	B	B	C	B*	A	C	C	A
		80	176								B
		100	212								
		120	248								
Sodium Hypochlorite (Bleach) NaOCl	7	20	68	A	A	B	A*	A	A	B	A
		40	104	A	A	C	A*	A	B	C	A
		60	140	B	B	C	B*	A	C	C	B
		80	176								C
		100	212								X
		120	248								
Sodium Hypochlorite (Bleach) NaOCl	10	20	68	A	A	B	A*	A	A	X	A
		40	104	A	A	C	A*	A			B
		60	140	B	B	C	B*	A			B
		80	176								C
		100	212								X
		120	248								
Sodium Hypochlorite (Bleach) NaOCl	13	20	68	A	A	B	A*	A	A	X	A
		40	104	A	A	C	A*	A			B
		60	140	B	B		B*	A			C
		80	176								X
		100	212								
		120	248								
Sodium Iodide NaI		20	68	A		A	A	A	A	A	NITRILE
		40	104	A		A	A	A	A	A	
		60	140				B	A	A	A	
		80	176					A			
		100	212								
		120	248								
Sodium Metasilicate Na_2SiO_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	A
		100	212				A	A	A		
		120	248				A	A			
Sodium Nitrate $NaNO_3$	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	A		
		120	248				A	A			
Sodium Nitrite $NaNO_2$	Satu	20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A	A	A
		60	140	B	B	A	A	A	A	A	A
		80	176		B	A	A	A	A	A	B
		100	212				A	A	A		
		120	248				A	A			
Sodium Palmitate $Na(C_{15}H_{31}COO)$	5	20	68			A	A	A			
		40	104				A	A			
		60	140				A	A			
		80	176				A	A			
		100	212				A	A			
		120	248				A	A			

Chemical	Concentration (%)	Temp. °C	Temp. °F	PVC	CPVC	PP	PVDF	TEFLON	VITON	EPDM	NITRILE
Sodium Perborate $NaBO_3 \cdot 4H_2O$		20	68			A	A	A	A	A	A
		40	104			A	A	A	A	A	
		60	140			A	A	A	A	A	
		80	176			A	A	A	A		
		100	212				A	A			
		120	248				A	A			
Sodium Perchlorate $NaClO_4$		20	68	A	A	A	A	A	A	A	A
		40	104	A	A	A	A	A	A		
		60	140	B	B	A	A	A	A		
		80	176		B	B	A	A	A		
		100	212				A	A			
		120	248				A	A			
Sodium Peroxide Na_2O_2		20	68	A	A	A	A	A	A	A	B
		40	104	A	A	A	A	A	A	A	
		60	140	B	B	A	A	A	A		
		80	176		B	A	A	A	A		
		100	212				A	A			
		120	248				A	A			
Sodium Persulfate $Na_2S_2O_8$	Satu	20	68	A	A	A	A	A	A	A	X
		40	104	A		A	A	A	A	A	
		60	140	B		A	A	A	A	A	
		80	176				A	A	A	A	
		100	212				A	A	A		
		120	248					A			
Sodium Phosphate (Acidic) Na_3PO_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		B		A	A	A	A	A
		100	212				A	A	A		
		120	248				A	A			
Sodium Phosphate (Alkaline) Na_3PO_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		B	A	A	A	A	A	A
		100	212				A	A	A		
		120	248				A	A			
Sodium Phosphate (Neutral) Na_3PO_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		B	A	A	A	A	A	A
		100	212				A	A	A		
		120	248				A	A			
Sodium Silicofluoride Na_2SiF_6		20	68	A	A	A	A	A	A	A	
		40	104	A	A	A	A	A	A	A	
		60	140	B	A	A	A	A	A	A	
		80	176			A	A	A			
		100	212				A	A			
		120	248				B	A			
Sodium Sulfate Na_2SO_4	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			
Sodium Sulfide Na_2S		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			
Sodium Sulfite Na_2SO_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	B	B	
		100	212				A	A			
		120	248				A	A			

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* Moulded PVDF material is suitable for Sodium Hypochlorite; however, fusion welded joints may fail prematurely.