

(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																																																																																					
Formaldehyde HCHO	37	20	68	A	A	A	A	A	A	A		Furan <chem>C1=CC=C(O1)</chem>		20	68				C	A	X	X	X	40	104			X	A						60	140	C	B	A	A	A	A					80	176			B	X	A	A	A				100	212					A						120	248					A																							
		Formaldehyde HCHO	50	20	68	A	A	A	A	A	B			A		Furfural <chem>C4H3OCHO</chem>	Pure	20	68	X	X	C	B	A	B	A	X	40	104			X	B	A	B	A			60	140	C	B	A	B	A	A	C	A			80	176			B	X	A				B		100	212					A						120	248					A																			
				Formic Acid HCOOH	90	20	68	A	A	A	A			A	X			A	X	Furfuryl Alcohol <chem>C4H3OCH2OH</chem>	Pure	20	68	X	X		A	A	X	C	X	40	104				A	A						60	140	X	X	X	A	A		A				80	176				A	A		A				100	212				A	A		A				120	248				C	A														
						Freon F-11 CCl ₃ F		20	68	A					A			A	B			C	X	Gallic Acid <chem>C6H2(OH)3COOH</chem>		20	68				A	A	A	A	A	40	104				A	A	B	X	B			60	140	A			A	A						80	176				A	A						100	212				A	A						120	248				A	A										
								Freon F-12 CCl ₂ F ₂		20	68			A					A			A	B			B	C	Gasoline - Regular*		20	68	B		C	A	A	B	X	B	40	104	B		X	A	A	B		B			60	140	A			A	A		B		B		80	176				A	A						100	212				A	A						120	248				A	A						
										Freon F-21 CHCl ₂ F				20	68			X					A			A	C			C	X	Gasoline - Sour		20	68	B		C	A	A	B	X	B	40	104	B		X	A	A						60	140				A	A						80	176				A	A						100	212				A	A						120	248				A	A		
Freon F-22 CHClF ₂												20	68	X					A			A	X			B	X			Gelatin & Glue				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		
		Freon F-113 CClF ₂ -CCl ₂ F										20	68	B			A	A	B			X	X			Glycerol (Glycerine) <chem>C3H5(OH)3</chem>	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				A	A	A	A	A			100	212				A	A						120	248				A	A		
				Freon F-114 CClF ₂ -CClF ₂								20	68	B			A	A	A	C	B	Glycolic Acid <chem>HOCH2COOH</chem>	Satu											20	68				A	B	A	A	A	A	40	104				A	X	A					60	140				A	X	A					80	176				A	X	A					100	212				A	A						120	248				A	A	
						Fructose <chem>CH2OHCO(CHOH)3CH2OH</chem>						20	68	A	A	A	A	A	A	A	A			Glycols (Ethylene Glycol)										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		
								Fruit Juice	Pure			20	68	A		A	A	A	A	A								Heptane <chem>CH3(CH2)5CH3</chem>						20	68	A		A	A	A	A	X	A	40	104	A		B	A	A	A					60	140	A		A	A	A	A					80	176			A	A	A	A					100	212				A	A						120	248				A	A		

*For Premium grade Gasoline, a special Buna-N elastomer is recommended over Viton. Consult Chemline.