

Ratings Key: A=Excellent, B= Fair, X= Poor Unless otherwise stated, info is provided at ordinary temp.

Chemicals	Formula	Rubbers + Thermo plastic							Metals					Plastics					
		CR	NBR	EPDM	FPM	TPO	Hytrek	ALU	FC	Stainless Steel		Titanium	Hastelloy 'C'	PTFE	PFA	PP	PVC	PVDF	Nylon
										316	304								
A Acetaldehyde	CH ₃ CHO	X	X	B	X		B	A	B	Abp	Abp	Abp	Abp	A	A	A20°	X22°	A150°	A
A Acetamide	CH ₃ CONH ₂	B	B	A	B			A	X	Abp		Abp	Abp	A	A	A		A140°	A
A Acetate Solvents	CH ₂ COOR	X	X		X			A		A				A	A	X		A	A
A Acetic Acid Dil	CH ₃ COOH	X	B		X	A	A	B	X	AB	AB	Abp	A	A120°		A			A
A 10%		X24°				A	A	B	X					A120°		A100°			A
A 20%		A60°		A	X	A	A	B	X					A		A80°			X
A 50%		X	B	A		A		B	X	A				A		A85°			X
A 80%			20-80°	20-80°						20-80°									
A conc.		X	X		X	A		B						A		B			X
A 100%		X	X		X	A	A	B		A	B	A				A70°			X
A Acetic Anhydride	(CH ₃ CO) ₂ O	X	A	A	X									A	A			A70°	A
A Acetic Anhydride -																			X
A Acetic Acid																			
A Acetone (Dimethylketone)	CH ₃ COCH ₃	B24° X65°	X	A	X	A		B		Abp	Abp	Abp	Abp	A		B23° X65°	X22°	X	B
A Acetone Cyanohydrin	(CH ₃) ₂ C(OH)CN	B	X	X	X			A	B	B	B			A				B	A
A Acetonitrile	(CN)CO ₂ C ₂ H ₅	B	X	A	X	A		A	A	A	A			A	A			A	A
A (Methyl Cyanide)																			
A Acetophenone	C ₆ H ₅ COCH ₃	X	X	A	X			B	A	A	A			A	A			A	A
A Acetyl Chloride	CH ₃ COCl	X	X	X	B		X	X	A	A	B		A	A	A			A	X
A Acetyl Monochloride		X	X	B	A			B		X	X	A		A		X	A		
A Acetyl Trichloride		X	X	A	X					X				A		A70°	X22°		
A Acetylene	CH ₂ H ₂	B			A		A	A	A	A	A		A	A	A		A	A	
A Acetylene Tetrabromide	BrCH ₂ CB ₂	X	X		A				X	A	A			A					
A Acetylsalicylic Acid	C ₆ H ₄ (CO ₂ H)(OCOC	X		B	X			A	X					A					
A Acid Cleaning Solution																			
A (20% Nitric Acid +		X	X	X	B								A	A					
A 4% Sulfuric Acid)																			
A (40% Sulfuric Acid +		X	B	X	B								A	A					
A 15% Nitric Acid)																			
A Acrolein (Acerylaldehyde)	CH ₂ =CHCHO		B		A			A	B	B	B	A	A	A					
A Acrylonitrile (Vinyl Cyanide)	CH ₂ =CHCN	X	X	X	X	A		A	A	Abp	Abp	Abp	Abp	A	A	A70°	X	A	A
A Adipic Acid	COOH(CH ₂) ₄ COOH			B	A			X	X	B	B	A	A	A	A	A	A60°	A	
A Airplane Gasoline		X	A	X	A			A	A	A	A		A	A	A			A	
A Allyl Alcohol	CH ₂ =CHCH ₂ OH	A	B	X	B			B	A	Abp	Abp		A	A121°		A			A
A Allyl Bromide	CH ₂ =CHCH ₂ Br	X	X	B				A	A					A					
A Almond Oil		X	X	B	X									A					
A Alum		A93°	A	A	X	A				X			A	A	A	A85°		A	X
A Aluminum Acetate		X	X	X	X			B	B	Abp	Abp	Abp		A		A20°			
A Aluminum Acetate	Al(CH ₃ COO) ₃	B	B	A	X			A	X	A			A	A	A	A		A	
A Aluminum Bromide	AlBr ₃	A	A	A	A									A	A			A	
A Aluminum Chloride	AlCl ₃	A65°	A	A	A	A	B	X	X	B	X	A	A25%	A	A	A65°	A65°	A	B
A Aluminum Fluoride	AlF ₃	A	A	A				A50%	X	X		A	B	A	A	A	A60°	A	A
A Aluminum Hydroxide	Al(OH) ₃	A	B	A	X				B80%	B	B	A	A	A	A	A	A60°	A	A
A Aluminum Nitrate	Al(NO ₃) ₃	A	A	A	A		B			A10%	A	A	A	A		A	A60°		
A Aluminum Phosphate		A	A	A	A									A	A	A		A	B
A Aluminum Potassium Sulfate-Alum		A	A	A	A									A					
A Aluminum Sodium Sulfate		B	B	X	A									A					
A Aluminum Sulfate	Al ₂ (SO ₄) ₃	A20°	A	A	A	A	B	B30%	X	A50%	A50°	A	A	A	A	A55°	A60°	A	A
A Amidosulfuric Acid	HSO ₃ NH ₂	A	B					A10%	X	X	X			A					
A Amines	R-NH ₂	B	X		X		A	A	X	A	A		A	A		A			A
A Ammonia	NH ₃	A24°	B	A	X24°	A	X	A	A	A	A		A	A	A	A60°	A60°	A	A
A Ammonia Copper		A		A	A									A		A			
A Ammonia Fertilizer																			
A Ammonia Water	NH ₄ OH	A20° 24°	A65°	A	A24°	A	X	A	B	A100°	A100°	30°	A100°	A		A100%	A20%		A
A Ammonium Acetate		A	A	A	A	A		A	B	A				A		A			
A Ammonium Bromide	NH ₄ Br	A	A	A	A	A		B	B	B	B	X	B	A					
A Ammonium Carbonate	(NH ₄) ₂ CO ₃	A	A	A	A	A				Bbp	Bbp	A	B	A		A	A		A60°
A Ammonium Chloride	NH ₄ Cl	A65°	B	A	A	A		B	B5%	Abp	B50%	A100°		A		A	A65°		A10%
A Ammonium Disulfide		X	B					X	X	B	B		B	A					Xbp
A Ammonium Fluoride	NH ₄ F	A	A	A				B10%	B20%	B	B		X	A		A	A60°		
A Ammonium Hydrogen Sulfite	NH ₄ HSO ₃	B	X	X	A			B	X	Abp	Abp	Abp	Abp	Abp		A	A30°		

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										316	304									
A Ammonium Hydrogencarbonate	NH ₄ HCO ₃	A	A	A	A					A	A			A		A				
A Ammonium Hydroxide	NH ₄ OH	B	B	A	B			B30%	B30%	A30%				A	A	A		A	X	
A Ammonium Metaphosphate		A	A	A	A			B90%	B	B	B	A	A	A	A	A	A	A		
A Ammonium Nitrate	NH ₄ NO ₃	B	A	A	A	A		B		A	A	A	A	A	A	A	A60°	A		
A Ammonium Oxalate	(NH ₄) ₂ C ₂ O ₄ ·H ₂ O	A	A	A						A				A		A				
A Ammonium Perchlorate	NH ₄ ClO ₄ 10%	A100°								A100°	Abp	A100°		A						
A Ammonium Persulfate	(NH ₄) ₂ SO ₅	A	X	A	A			X	X	A	A			A	A	A		A	X	
A Ammonium Phosphate	NH ₄ H ₂ PO ₄	A	A	A	A	A	B	X	X	B	B		A	A	A	A	A	A		
A	(NH ₄) ₂ HPO ₄	A	A	A	A	A		B		A	A		A	A	A	A	A	A		
A	(NH ₄) ₃ PO ₄	A	A	A	A	A		X		B	B		A	A	A	A	A	A		
A Ammonium Sulfide		A	A	A	A	A		B		A	B	A	A10%	A		A				
A Ammonium Sulfite	(NH ₄) ₂ SO ₃	A	B		A		B	X	X	Abp	Abp	Abp	Abp	Abp		A	A	A		
A Ammonium Thiocyanate	NH ₄ SCN	A	A	A	A			X	X	A50%	A	A	A	A		A	A60°			
A Ammonium Thiosulfate		A	A	A	A			A40%	X	A10%				A		A	A			
A Amyl Alcohol	C ₆ H ₁₁ OH	A	A	A	A24°	A	B	A	B	Abp	Abp	Abp	Abp	Abp		A85°	A60°		A	
A Amyl Chloride	C ₆ H ₁₁ Cl	X	X	X	A			X	A	A	A		B	A	A	X	X	A	X	
A Amylamine	CH ₃ (CH ₂) ₄ NH ₂	X	X	X	X					A	A			A		A				
A Aniline	C ₆ H ₅ NH ₂	X	X	X	X	A	X	X	B	A100°	A	A	A	A	A	X	X22°	A	A	
A																A60°				
A Aniline Chloride								X	X	X	X						X22°			
A Aniline Dye		X	X	X	X			X	B	A	A	A	A	A	A	B	X22°		X	
A Anisole	C ₆ H ₅ OCH ₃	X	X	X	B			B	B	B	B	B		A						
A Antifreezing Fluid (Alcohol Base)		A	A	A	A			A	A	A	A	A	A	A		A	A			
A (Glycol Base)		B	A	A	A			A	A	A	A	A	A	A		A	A			
A Antimony Chloride	SbCl ₃	A						X	X	X	X	A	X	A		A	A			
A Antimony Trichloride	SbCl ₃		B	A	A			B	A	A			B	A	A			A	A	
A Antimony (V) Chloride	SbCl ₅		X					A	A	A	A		A	A						
A Aqua Regia		X	X	X	A			X	X	X		A30° X70°	X	A	A	A25° X85°		A	X	
A Arsenic Acid	A ₅ H ₃ O ₄	A	B	A	A	A				B	B		B	A	A	A	A60°	A	X	
A Aryl Chloride	CH ₂ =CHCH ₂ 2cl	X	X	X	B	X		X	X	B	B			A	A					
A Ascorbic Acid	HOC=COH				A	A		A	X	A	A			A						
A Ash Water		A	A	A	A	A		A	A	A	A	A	A	A	A	A	A			
A Asphalt		X	B	X	A	A		A	B	A	A	A		A	A	A		A	A	
A ASTM Test Fuel		B	A	X	A		A	A	A	A	A	A	A	A		A			A	
A	A	X	A	X	A		A	A	A	A	A	A	A	A		A			A	
A	B	X	A	X	A		A	A	A	A	A	A	A	A		A			A	
A	C	X	B	X	A		B	A	A	A	A	A	A	A		A			A	
A	#1	B	A	X	A		A	A	A	A	A	A	A	A		A			A	
A	#2	B	A	X	A		A	A	A	A	A	A	A	A		A			A	
A	#3	X	A	X	A		A	A	A	A	A	A	A	A		A			A	
A	#4	X	B	X	A		A	A	A	A	A	A	A	A		A			A	
A																				
B Barbecue Sauce		A	A						X	A	A			A	A					
B Barium Carbonate	BaCO ₃	A	A	A	A			X	A	A	A	A	A	A	A	A	A	A	A	
B Barium Chloride	BaCl ₂	A	A	A	A			B	B	B	B	A	A	A	A	A85°	A65°	A	X	
B Barium Hydroxide	Ba(OH) ₂	A	A	A	A	A	B	X	B	A	A	A	A	A	A	A85°	A60°	A	A	
B Barium Nitrate	Ba(NO ₃) ₂	A	A	A	A					A	A	A	A	A	A	A	A60°	A	A	
B Barium Peroxide	BaO ₂ 10%									A95°	A95°									
B Barium Sulfate	BaSO ₄	A	A	A	A		X	B	B	A	A	A	A	A	A	A	A	A	A	
B Barium Sulfide	BaS	A	A	A	A			X		A	B			A	A	A		A	A	
B Beer		A	X	A	A		B	A	X	A70°	A70°	A	A	A		A85°	A	A	A	
B Beet Sugar Solution		A	A	X	A			A	A	A	A	A	A	A	A	A	A	A	A	
B Benzal Chloride	C ₆ H ₅ CHCl ₂		X					B	B	A	A		B	A						
B Benzaldehyde	C ₆ H ₅ CHO	X	X	B	X		B	A	A	Abp	Abp	Abp		A	A	A	X	X	A	X
B Benzene (Benzol)	C ₆ H ₆	X	X	X	X		B	A	B	Abp	Abp			A	A	X	X	B	A	
B Benzene Dichloride/ Dichlorobenzen																				
B Benzoic Acid	C ₆ H ₅ COOH	B60°	X	B	A	A		B	X	A100°			A100° 70%	A	A	A60°	A60°	A	X	
B Benzoyl Chloride	C ₆ H ₅ COCl	X	X	X	B			X	A	B	B		B	A	A	A		A		
B Benzyl Acetate	CH ₃ COOCH ₂ C ₆ H ₅		X					A	A	A	A			A						
B Benzyl Alcohol		X	X	X	A	A		A	A	A	X		B	A	A	A		A	X	
B Benzyl Benzoate	C ₆ H ₅ CO ₂ CH ₂ C ₆ H ₅	X	X	B	A			A	B	B	B		B	A						

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										316	304								
C Carbon Disulfide	CS ₂	X	X	X	A24°	X	B	A	B	A	A	A	A	A	A	X	A	A	B
C Carbon Monoxide	CO	A	X	X	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A
C Carbon Tetrachloride	CCl ₄	X	X	X	A	X	X	X	X	A	B	Abp	Abp	A	A	X	B20°	A	B
C Carbonic Acid	H ₂ CO ₃	A	A	X	A		X	A	X	A	A	A	A	A	A	A	A60°	A	A
C Carnalite	MgCl ₂ Saturated with KCl											Abp							
C Casein		A	A	A	A			B		B			B	A					
C Cellosolve (Ethylene Glycol Ethyl Ether)	HOCH ₂ CH ₂ OC ₂ H ₅		B		B		X	A		A			A	A	A			A	A
C Cellulose Acetate		B	B		X			B	B	A	A		A	A					
C Ceramic																			
C Chloric Acid	HClO ₃	A	X		B	A		X		X	X		X	A	A	A		A	
C Chlorine Dioxide	ClO ₂	X	X	B	B			B		X	X		B	A	A			A	
C Chlorine Trifluoride	ClF ₃	X	X	X	B			A		A	A				X			X	
C Chloro-trifluoroethylene	F ₂ C:CFCl	B	X		A				X	A	A		B	A				X	
C Chloroacetic Acid - Chloride Acid	ClCH ₂ COOH	X	X	B	X		X	X	X	X			A	A	A	A		A	X
C Chloroacetone	CH ₃ COCH ₂ Cl	X	X	A	X			X	B	B	B		B	A		X			
C Chlorobenzene - Benzene Chloride	C ₆ H ₅ Cl	X	X	X	A		X	X	B	B	B		B	A	A	X		A	B
C Chlorobenzol - Benzene Chloride																			
C Chlorobenzyl Chloride		X	X	X	A					A	A	A		A		X			
C Chlorobromomethylene	CH ₂ ClBr	X	X	B	X					A				A		X			
C Chlorobutadiene	CH ₂ :C:CHCH ₂ Cl	X	X	X	A			X	B	B	B		B	A					
C Chloroform	CHCl ₃	X	X	X	A24°	X	X	X	Adry	A	A	A	A	A60°	A40°	A23°	X	A	X
C Chloronaphthalene	C ₁₀ H ₇ Cl	X	X	X	X			X	B	B	B		A	A					
C Chlorophenol	C ₆ H ₄ Cl(OH)																		
C Chlorosulfonic Acid	HSO ₃ Cl	X	X	X	X		X	X	X	B30°	B		A	A		X			
C Chocolate Sirup		A	A						X	A	A			A		A	A		
C Chrome Alum	Cr ₂ (SO ₄) ₂ K ₂ SO ₄	A	A			A				B				A		A85°	A60°		
C Chrome Alum - Alum																			
C Chromic Acid conc. dil.	H ₂ CrO ₄	X	X		A24°		X	X	B	X	X35°	Abp	B	A	A	X		A	X
C Cinnamon Oil		X								X	A	A		A					
C Citric Acid	(CH ₂ COOH) ₂ C(CH ₃)	A	X	A	A		A	B	X	A30%	B		A	A	A	A85°		A	X
C Citron Oil		X	X	B	A				X	A	A			A		A			
C Clover Oil		X							X	A	A			A					
C Coal Tar		X	A	X	A			B	B	B	B		B	A					
C Cobalt Chloride	COCl ₂ 6H ₂ O	A	A	X	A			X		A20°				A		A			
C Coconut Oil		B	B	A	A			B	A	A	A	A		A		A	A		
C Codfish Oil		A	A		A24°			A	A	A	A	A		A		A	A		A
C Coffee		A	A					A		A	A			A		A			
C Copper Acetate	Cu(CH ₃ COO) ₂	X	B	A				X	X	A20°	A20°	A	B	A	A			A	
C Copper Carbonate	CuCO ₃ 2H ₂ O	A	A	A	A		A			X				A		A	A	A	A60°
C Copper Chloride	CuCl ₂	A73°	A	A	A	A	A	X	X	X	X	A	A	A	A	A	A60°	A	X
C Copper Cyanide	Cu(CN) ₂	A	A	A	A			X	A	A	A			A	A	A	A60°	A	X
C Copper Fluoride	CuF	A	A	A	A					X				A		A	A		
C Copper Nitrate	Cu(NO ₃) ₂ 6H ₂ O	A73°	A	A	A			X	X	A	A	A	B	A	A	A	A60°	A	X
C Copper Sulfate	CuSO ₄ 5H ₂ O	A	A		A		A	X	X	B	B	B		A	A	A	A	A	B
C Copper Sulfide	CuS		A		A									A					
C Corn Oil		X	A	X	A		A	B	X	A	A	A		A	A	A	A	A	A
C Cotton-Seed Oil		B	A	A	A	A	A	A	B	A	A			A	A	A	A	A	A
C Cream		X	X	A	A				X	A	A			A		A			
C Creosote Oil		X	B	X	A24°		X	B	B	B	B			A		X			X
C Cresol	C ₆ H ₄ OHCH ₃	B	A24°	X	A24°			B	X	A	A	A21°		A		A20°			
C Crotonaldehyde	CH ₃ CHCHO	A	X		A			A	A	A	A			A					
C Crude Oil		X	B	X	A			A	A	Abp	Abp	Abp		A		A			
C Cumene(Isopropyl Benzene)	C ₆ H ₅ CH(CH ₃) ₂	X	X	X	A			B	B	B	B		B	A					
C Cutting Oil- (Grease Base)																			
C (Sulfur Base)		X	A					A	A	A	A		A	A					
C (Water Soluble)		X	X		A			A	A	A	A		A	A					
C (Water Soluble)	C ₆ H ₁₁ OH	A	X	X	A	X		X	B	Abp	Abp	Abp	Abp	A	A	A20°	X22°	A	A

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										316	304								
C (Water Soluble)	C ₆ H ₁₀ O	X	X	X	X	B		B	B	Abp	Abp	Abp	Abp	A	A	A20°	X22°	A	A
C (Water Soluble)	C ₆ H ₁₂	X	A	X	A24°	X	B	B	B	Abp	Abp	Abp	Abp	A		X			
C (Water Soluble)	ClCH ₂ (CH ₂) ₃ CH ₂ Cl	A	B	X	A			B	B	B	B		B	A					
C (Water Soluble)	C ₆ H ₄ (CH ₃)[CH(CH ₃) ₂]	X	X	X	A									A					
D Decalin	C ₁₀ H ₁₆	X	X	X	A24°					Abp	Abp	Abp	Abp				X26°		
D Decane	CH ₃ (CH ₂) ₈ CH ₃	X	B	X	A									A	A	A		A	
D Decanol	CH ₃ (CH ₂) ₈ CH ₂ OH	X	A	X	X									A					
D Dextrin		A	A	A	A			A	A	A	A	A		A		A			
D Dextrose	CHO(CHOH) ₄ CH ₂ OH	B	B	A	A		B	A	X	A	A	A	A	A	A				A
D Diacetone Alcohol	CH ₃ COCH ₂ C(O)(CH ₃) ₂	X	X	B	X		B	A	A	A	A		A	A		X		X	A
D Diazonium Salts		A			A					A	A			A		A			
D Dibenzyl Ether	(C ₆ H ₅ CH ₂) ₂ O	X	X	X	X			B	B	B	B		B	A					
D Dibenzyl Sebacate		X	X	X	B		A							A					
D Dibutyl Phthalate	C ₆ H ₄ (COOC ₄ H ₉) ₂	X	X	A	X		A	A	A	A	A	A	A	A		X		X	A
D Dibutyl Sebacate	C ₁₈ H ₃₄ O ₄	X	X	X	X				A	A	A			A		X			
D Dibutylamine	(C ₄ H ₉) ₂ NH	X	X	X	X				A	A	A		A	A					
D Dichloroacetic Acid	Cl ₂ CHCO ₂ H	X	X		X	B								A					
D Dichlorobenzene	C ₆ H ₄ Cl ₂	X	X	X	B24°		X	X	B	B	B		A	A	A	B		A	
D Dichlorobenzyl Chloride		X			A									A		A			
D Dichlorobutane	CH ₃ HC(Cl)CH ₂ CH ₂ Cl		X		A			X	B	B	B			A					
D Dichloroethane	C ₂ H ₄ Cl ₂	X	X	A	B					Abp	Abp	Abp	Abp	A		B20°			
D Dichloroethyl Ether			X					B						A					
D Dichloroethylene	C ₂ H ₂ Cl ₂	X		A	A24°					Abp	Abp	Abp	Abp	A		B			
D Dichlorohexylamine	(C ₆ H ₁₁) ₂ NH	X	X	X	B									A					
D Dichloroisopropyl Alcohol		X	X	X	X									A					
D Diesel Engine Fuel	Hydrocarbons	X	A	X	A	X	B	A	A	A	A	A	A	A	A	B		A	A
D Diethanolamine	(HOCH ₂ CH ₂) ₂ NH	A	B						A	A	A			A		A			A
D Diethyl Benzene	C ₆ H ₄ (C ₂ H ₅) ₂	X	X	X	A70°					Abp	Abp	Abp	Abp	A		B			
D Diethyl Carbonate	(C ₂ H ₅ O) ₂ CO	X	X						A					A					
D Diethyl Cellosolve				B						Abp	Abp	Abp	Abp	A					
D Diethyl Ether	(CH ₃ CH ₂) ₂ O	X	B	X	X		X	B	A	A	A		A	A	A	X		A	B
D Diethyl Sebacate	C ₁₄ H ₂₆ O ₄	X	X	X	B		A	A	A	A	A		A	A	A	A		A	
D Diethylamine	(C ₂ H ₅) ₂ NH	X	X	X	X			B	B	A	A	A	A	A					
D Diethyleneglycol	O-CH ₂ CH ₂ OOC ₂ H ₅	A	A	A	A		A	A	A	A			A	A	A	A			A
D Monoethyl Ether	CH ₂ CH ₂ OH																		
D Diethylenetriamine	(C ₂ H ₅) ₂ N		B	A	A			A	A	Abp	Abp	Abp	Abp	A		B			
D Diethylglycol		A	A		A					Abp	Abp	Abp	Abp	A		A	A40°		
D Diisobutyl Ketone	[(CH ₃) ₂ CHCH ₂] ₂	X	X	B	X			A	A	Abp	Abp	Abp	Abp	A					
D Diisobutylene		X	X	A	A					Abp	Abp	Abp	Abp	A	A	A		A	A
D Diisodecyl Adipate			X		X									A					
D Diisodecyl Phthalate		X	X	A	X									A					
D Diisooctyl Adipate			X		X			A	A	A			A	A					
D Diisooctyl Phthalate		X	X	A	X		A							A					
D Diisooctyl Sebacate	C ₂₆ H ₄₆ O	X	X	X	A									A					
D Diisopropyl Benzene		X	X	X	A									A					
D Diisopropyl Ketone	[(CH ₃) ₂ CH] ₂ CO	X	X	A	X					A	A			A					
D Diisopropylamine	[(CH ₃) ₂ CH] ₂ NH	B	A		A			B	B	B			B	A					
D Dimethyl Ether	CH ₃ OCH ₃		A					B	B	B	B		B	A					
D Dimethyl Formaldehyde	HCON(CH ₃) ₂	X	X		X	A	X	A		A	A		A	A	A	A		A	A
D Dimethyl Phthalate	C ₆ H ₄ (CO ₂ CH ₃) ₂	X	X	X	X		A							A					B
D Dimethyl Sulfate	(CH ₃ O) ₂ SO ₄	X	X		X					A	A	A		A		B			
D Dimethyl Sulfide			X					A	A	A			A	A					
D Dimethyl Sulfoxide										A60%									
D Dimethylamine	(CH ₃) ₂ NH	X	X	A	A	B				Abp	A	A	A	A		B	X22°		
D Dimethylaniline		X	X	X	X			B	B	Abp	Abp	Abp	Abp	A					
D Dinitrotoluene	C ₆ H ₃ (CH ₃)(NO ₂) ₂	X	X	X	X					A	A			A					
D Dioctyl Phthalate	C ₂₄ H ₃₈ O ₄	X	X	B	X		A	A	A	A	A		A	A					
D Dioctyl Sebacate	C ₂₆ H ₅₀ O ₄	X	X	X	X			A	A	A			A	A					
D Dioxolane	CH ₂ -O-CH ₂ -O-CH ₂	X	X	B	X									A					
D Dipentene	C ₁₀ H ₁₆	X	X	X	A			A	A	A	A			A					
D Diphenyl Oxides	C ₆ H ₅ OC ₆ H ₅	X	X	X	A			B	A	A			A	A	A			A	
D Dipropyl Ketone	(CH ₃ CH ₂ CH ₂) ₂ CO		X		X									A					
D Dipropylamine	(CH ₃ CH ₂ CH ₂) ₂ NH		B											A					

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		CR	NBR	EPDM	FPM	TPO	Hytre	ALU	FC	Stainless Steel		Titanium	Hastelloy 'C'	PTFE	PFA	PP	PVC	PVDF	Nylon	
										316	304									
D	Distilled Water		A	A	A	A				A	A	A	A	A		A	A			
D	Divinylbenzene	$C_6H_4(CH:CH)_2$		X		A									A					
D	Dodecylbenzene	$C_6H_5(CH_2)_{11}CH_3$		X		A			A	A	A				A					
D	Dow Corning (Silicones)	$[(CH_3)_2SiO]_2$	A	A		A			A						A					
D	Dye	Acid																		
D		Basic				A					A				A					
D		Neutral																		
E	Epichlorohydrine	CH_2OCHCH_2Cl	X	X	B	X		X	A	A	A	A		A		A		X	A	
E	Ethane	C_2H_6	X	A	X	A			A	A	A	A						X		
E	Ethane Dichloride - Dichloroethane																			
E	Ethyl Acetate	$CH_3COOC_2H_5$	X	X	B	X	A	X	A	A	A	A		A	A	A	X		A	A
E	Ethyl Acetoacetate	$CH_3COCH_2CO_2C_2H_5$	X	X	B	X			A	A	A	A		A					B	
E	Ethyl Acrylate	$CH_2=CHCO_2C_2H_5$	X	X	X	X			A	A	Abp	Abp	Abp	Abp	A		A			
E	Ethyl Alcohol (Ethanol)	C_2H_5OH	A60°	A60°	A	A24°	A	A	B	B	A100%	A100%	A100%	A100%	A100%	A	A100%	A60°	A	
E											A100%	A100%			A100%					
E	Ethyl Alcohol Amine		X	B	B	X		B	B	A	A	A	A	A	A					
E	Ethyl Aluminum Dichloride			X		B									A					
E	Ethyl Benzene	$CH_3CH_2C_6H_5$	X	X	X	A	X		B	B	B	B		A	A	A	X		A	
E	Ethyl Benzoate	$C_6H_5CO_2C_2H_5$	X	X	X	A			A	A	A	A	A	A	A		B			X
E	Ethyl Bromide	C_2H_5Br	B	X	B				X	A	A	A		A						
E	Ethyl Butyl Acetate			X		X									A					
E	Ethyl Butyl Alcohol			X		B		B							A					
E	Ethyl Butyl Aldehyde			X		X									A					
E	Ethyl Butyl Ketone	$CH_3CH_2COC_4H_9$		X		X									A					
E	Ethyl Caprylate	$CH_3(CH_2)_6CO_2C_2H_5$	X	X	X	X			B	A	A	A	A		A					
E	Ethyl Chloride	C_2H_5Cl	X	X	A	A	X	X	X	B	A	A		B	A	A		X22°	A	A
E	Ethyl Chlorocarbonate	$ClCO_2C_2H_5$				A									A					
E	Ethyl Cyanide	C_2H_5CN	A	X	A	A														
E	Ethyl Ether	$C_2H_5O C_2H_5$	X	B		X	X				A100%	A100%					B20°	X22°		
E											A20°	A20°								
E	Ethyl Formate	C_2H_5COOH	B	X	X	A			B	A	B	B		B	A					
E	Ethyl Hexyl Acetate			X		X									A					
E	Ethyl Hexyl Alcohol	$C_8H_{17}OH$		A		B		B	A	A	A	A		A	A					
E	Ethyl Isobutyrate	$(CH_3)_2CHCO_2C_2H_5$	X	X	X										A					
E	Ethyl Mercaptan	C_2H_5SH	X	X	X	B			B	A	B	B		B	A					
E	Ethyl Oxalate		X	X	A	B									A					
E	Ethyl Propionate		X	X	X				A	A	A	A		A	A					
E	Ethyl Silicate	$Si(OCH_2CH_3)_4$	A	A	A	A			B	A	A	A	A		A					
E	Ethyl Tributyl Phosphate																			
E	Ethylamine	$C_2H_5NH_2$	X	X	A	X			B	B	A	A			A					
E	Ethylene	$CH_2=CH_2$	A	B	X	A			A	A	A	A			A					
E	Ethylene Chloride		X	X	A	B80°	X		A dry	A dry	Abp	Abp	Abp	Abp	A		B	X		
E	Ethylene Chlorohydrin	$ClCH_2CH_2OH$	B	X	A	B		X		B	A	A		A	A		X			
E	Ethylene Dibromide	$(CH_2Br)_2$	X	X	X	A			X	X	A			B	A	A	X		A	
E	Ethylene Dichloride - Dichloroethylene		X	X	X	B			X	B	B			B	A	A	X		A	B
E	Ethylene Glycol	$CH_2OH CH_2OH$	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A85°	A60°	A	B
E	Ethylene Glycol Monomethyl Ether	$HOCH_2CH_2OCH_3$	X	X	B	X			B	B	A	A		A	A					
E	Ethylene Glycol Monomethyl Ether Acetate	$HOCH_2CH_2OC_4H_9$	X	X	B	X	A		A	A	A	A		A	A					
E	Ethylene Glycol Monoethyl Ether		X	X	B	X		A	A	A	A	A		A	A	A	X		A	A
E	Ethylene Oxide	CH_2CH_2O	X	X	X	X	A	A	A	B	Abp	Abp	Abp	Abp	A	A		X22°	A	A
E	Ethylene Trichloride	C_2HCl_3	X	X	X	A24° B70°			X	Abp	Abp	Abp	Abp		A120°		B23° X60°	X24°		
E	Ethylidene Chloride		X	X	X				X	B	A	A		B	A					
F	Fatty Acids		X	B	X	A	B	B		X	A	A			A	A	A100° A65°		A	A
F	Ferric Chloride	$FeCl_3$	A	A100°	A	A	A	B	X	X	X	X	A	A	A	A	A60° B85°	A60°	A	X
F	Ferric Hydroxide	$Fe(OH)_2$	A	B	A										A		A	A		

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		CR	NBR	EPDM	FPM	TPO	HytreI	ALU	FC	Stainless Steel		Titanium	Hastelloy 'C'	PTFE	PFA	PP	PVC	PVDF	Nylon	
										316	304									
F	Ferric Nitrate	Fe(NO ₃) ₃	A24°	A	A	A				A	A	A	A	A	A	A	A60°	A	X	
F	Ferric Sulfate	Fe ₂ SO ₄	A	A	A	A			X	X	B	B	B	A	A	A	A	A	X	
F	Ferrous Chloride	FeCl ₂	A	A	A	A	A		X	X	B30%	B30%	A	B50%	A	A	A	A	X	
F	Ferrous Hydroxide	Fe(OH) ₂	A		A	A			X	X	X				A	A	A			
F	Ferrous Nitrate	Fe(NO ₃) ₂	A	A	A	A					A	A	A	A10%	A	A	A	A		
F	Ferrous Sulfate	FeSO ₄	A		A	A			A10%	X	B	X	A	B	A	A	A	A	X	
F	Fluorine (Liquid)	F ₂	X	X	X	B		X	A		A	A	A		A	X	X		X	
F	Fluorine Gas	F ₂									X	X	X	A	X		X	X		
F	Fluorobenzene		X	X	X	A									A		X			
F	Fluoroboric Acid		B	A	A	X			X	X	A30%				A					
F	Formaldehyde	HCHO	X			B85°		B			A	A		A	A	A	A26°	A60°	A	X
F			X			X					X		A		A	A	B85°	A	X	
F			X	A	X	B70°	A				A			A	A	A	A85°	A60°	A	X
F	Formic Acid 10%	HCOOH	A			A	A	B			B	B	X		A	A	A85°		A	X
F	90%			X			A				A	A	A		A	A	A80°		A	X
F	100%		A			A	A				A	A	A		A	A	A80°		A	X
F											B100°	B100°								
F											Xbp	Xbp								
F	Freon 11	Cl ₂ F ₂	B	X	X	B		A	B	A	A	A			A	A			A	X
F	12		B	B	B	B		A	A	A	A	A			A	A			A	
F	13		A	A	A	A		B	A	A	A	A			A	A				
F	13B1		A	A	A	A									A	A				
F	14		X	X	B										A	A				
F	21		B	X	X	X			A						A	A			A	
F	22		B	X	X	X		X	A	A	A	A		A	A	A			A	
F	113		A	B	X	B		A	B		A	A		A	A	A			A	
F	114		A	A	X	A		A	B		A	A		A	A	A			A	
F	114B2		A	B	X	B								A	A				A	
F	115		A	A	A	B			B					A	A				A	
F	Fruit Juice		A	A	A	A		B	A10%	X	A	A			A	A	A		A	X
F	Fruit Sugar		A	A	A	A			A	A	A	A			A	A	A			A
F	Fuel Oil		X	A	X	A		B	A	A	A	A	A		A	A	X	A	A	A
F	Fuel Oil ASTM #1																			
F	#2																			
F	#3																			
F	#4																			
F	Fumaric Acid		B	X		A		X							A					
F	Furan	C ₄ H ₂ O	X	X	X	X		X							A		X		X	
F	Furfural Alcohol	C ₄ H ₂ OCHO	X	X	X	X		X	A	A	A	A		A	A		A70°			
F																				
G	Gallic Acid	C ₆ H ₂ (OH) ₃ COOH	X	B	B	A		X	A20%	X	B	B		B	A					B
G	Gasoline Lead-containing	C ₄ to C ₁₂	X	A	X	A	X		A	A	A	A			A	A	B			A
G	Unleaded	Hydrocarbons	X	X	X	A	X		A	A	A	A			A	A	X			A
G	Gear Oil		B	A	X	A			A	A	A	A			A	A	A	A		A
G	Gelatine		A	A	A	A		B	A	A	A	A	A		A	A	A	A		A
G	Glacial Acetic Acid		A24°	X	B	X					B100°	B100°					A70°			X
G	Glassy Slurry		A	A	A						A				A		A			
G	Gluconic Acid	HO ₂ C(CHOH) ₄ CH ₂ OH		X		A	A		B	X	A	A50%		A	A					
G	Glucose (Corn Liquid)		A	A	A	A	A	B	A	A	A	A			A	A	A	A		A
G	Glycerin (Glycerol)	(CH ₂ OH) ₂ CHOH	A	A	A	A		A	A	A	Abp	Abp	Abp		A	A	A100°	A	A	A
G	Grape Juice		X	X		A		A		X	A	A			A	A	A		A	
G	Grape Sugar		A	A	A	A			A	A	A	A	A		A	A	A	A		A
G	Grapefruit Oil		X	X						X	A	A			A					
G	Grease	Hydrocarbons	X	A		A		A	A	A	A	A			A	A	A	A		A
G	Gypsum-Calcium Sulfate																			
G																				
H	Halowax Oil		X	X	X	A			X						A					
H	Hemp Palm Oil																			
H	Heptane	C ₆ H ₁₅	B	A	X	A	X	A	A	A	A	A		A	A	A	X		A	A
H	Heptanol					A			A	A	A	A			A	A				
H	Hexaldehyde		A	X	B	X			A	B	A	A		B	A					
H	Hexalin (Cyclohexanol)	C ₆ H ₁₁ OH	A	B	X	A									A					
H	Hexane	C ₆ H ₁₄	B	A	X	A	X	A	A	A	A	A		A	A	A	X	X	A	A
H	Hexanol	C ₆ H ₁₃ OH	B	A	X	A			A	A	A	A			A		A20°	A60°		
H	Hexene	H ₂ CCH(CH ₂) ₃ CH ₃	B	A	X	A									A					
H	Hexyl Acrylate		X	X		X									A		A			

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										316	304								
H Hexyleneglycol(Brake Fluid)		A	A	X	A			A	A	A			A	A					
H Honey		A						A	A	A	A			A		A	A		A
H Hydraulic Oil		A	A		A		X			A				A		A			
H Hydraulic Oil (Petroleum)	Hydrocarbons	B	A	X	A		X	A	A	A	A	A	A	A		X	A		A
H Hydrazine	N ₂ H ₄	X	X	A	X	A	X	A	X	A	A	A	A	A		X			X
H Hydroiodic Acid	HI	X	X	X	A					X				A		X			
H Hydrobromic Acid	HBrO ₃	X	X	A	B	A		X	X	X	X	A	B	A40% 25°				A	
H 50%						B		X	X	X24°	X24°					B		A	
H Hydrocarbon (Aliphatic Compounds)		A								Abp	Abp	Abp	Abp	A					
H (Aromatic Compounds)										Abp	Abp	Abp	Abp	A					
H Hydrochloric Acid Gas dry	Cl ₂	X			A100°					B	B	X		A120°					B
H water		X			A					X	X			A		A			
H wet		X						X		X20°	X100°			A120°					
H Hydrochloric Acid conc.	HCl	X	X		X110°			X	X	X	X	X	A	A24°	A20°	A20°		A	
H dil.		A72°	X	A	A70°	A		X	X	X	X	A	Xbp	A120°	A60°	A65°		A	
H Hydrocyanic Acid conc.	HCN	X		A			X			X				A	A			A	
H (Prussium Acid) dil.		B		A			X			X				A	A		A	A	
H Hydrofluosilicic Acid Vapor	H ₂ SiF ₆	A			A					B	B	B		A			B		
H Hydrogel		X	X	B	A				A	A100°	A100°		A	A					
H Hydrogen Chloride Gas	HCl				A	A								A		A			
H Hydrogen Fluoride	dil.	X	X		A					X	X	X	A30°	A	A	B25°	X24°	A	
H 40%														A60°		B26°		A	
H 60%																X85°	A24°	A	
H >60%		X	X											A	A	B25°		A	
H conc.		X	X		A					X	X	X		A	A	A30°	X	A	
H Hydrogen Fluoride (Vapor)	HF									A	A								A
H (Hydrofluoric Acid) conc. co	HF	X		X	B					A			B	A		X		A	
H Hydrogen Gas	H ₂	A			A					A	A		A	A			A60°		
H Hydrogen Peroxide 10%	H ₂ O ₂	X		B	A			A	X	A30°						B20°		A	X
H 30%		X		B	A			A	X	X			A	A40°		B60°		A	X
H 80%		X	X	X	A<50°			A	X	A<50°			A			X<50°			X
H 90%		B	X	X	A			A	X	A						X			X
H conc.								A	X	X	B	A							X
H Hydrogen Sulfide	H ₂ S dry	A	X	A	A	A				A	X		A	A120°	A	A	A	A	
H wet					A	A	A			A	X		B	A120°	A	A	A	A	
H Hydrogen Tetrafulborate	HBf ₄	A		A	A					X				A		A			
H Hydroquinine	C ₂₀ H ₂₆ O ₂ N ₂	X	X		X			A90%	B	A10%	A10%		B	A				A	
H Hypochlorite	HClO	X		A	A			X	X	X	X	A	A	A10%	A	A20%		A	X
H														A120°	A40%				
H																			
I Ink		A	A		A		B	X	X	A	A		A	A					
I Iodine Gas	I ₂ dry	X			A					A	A			A					
I wet				B			B	A	X	X	X		A	A	A	A		A	X
I Iodoform	CHI ₃	X	X	A	X			A	A	A	X			A	A	X		A	
I Isoamyl Alcohol	(CH ₃) ₂ CHCH ₂ CH ₂ C	A	A	A	A			A	A	A	A	A	A	A		A	A	A	
I Isoamyl Chloride	(CH ₃) ₂ CHCH ₂ CH ₂ C	X	X	X	A			X						A					
I Isobutyl Acetate	CH ₃ CO ₂ CH ₂ CH(CH ₃) ₂	X	X	X	X			A	A	A	A			A					
I Isobutyl Alcohol	(CH ₃) ₂ CHCH ₂ OH		X	A	X			A						A	A			A	
I Isobutyl Chloride	(CH ₃) ₂ CHCOCl		X	B				X	B	B	B		A90%	A					
I Isobutylamine	(CH ₃) ₂ CHCH ₂ NH ₂		X		X									A					
I Isobutyric Acid	(CH ₃) ₂ CHCO ₂ H	B	X	A				A						A					
I Isodecane		A	B	X	A			B	B	B	B		B	A					
I Isooctane	CH ₃ C(CH ₃) ₂ CH ₂ OH(CH ₃) ₂	B	A	X	A		A	A	A	A	A		A	A	A	A		A	A
I Isopentane	(CH ₃) ₂ CH C ₂ H ₅		A		A									A					
I Isophorone	CH ₂ CO-CH(CH ₃) ₂ C-CH ₃	X	X	X	X			A	A	A	A		A	A					

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Chemicals	Formula	Rubbers + Thermo plastic						Metals					Plastics						
		CR	NBR	EPDM	FPM	TPO	Hytre	ALU	FC	Stainless Steel		Titanium	Hastoloy 'C'	PTFE	PFA	PP	PVC	PVDF	Nylon
										316	304								
I Isopropyl Acetate	CH ₃ CO ₂ CH(CH ₂) ₂	X	X	B	X			A	A	A	A			A		B			
I Isopropyl Alcohol	(CH ₃) ₂ CHOH	A24°	X	B	A70°	A	A	Abp	Abp	Abp	Abp	Abp	Abp	A120°	A	A	A40°	A	X
I Isopropyl Chloride	(CH ₃) ₂ CHCl	X	X	X	B			X	A	A	A		A	A		X			
I Isopropyl Ether	(CH ₃) ₂ CHOH (CH ₃) ₂	X	X	X	X	B		A	A	Abp	Abp	Abp	Abp	A			A40°		A
I Isopropylamine	(CH ₃) ₂ CHNH ₂		X		X				A	A	A		A						
I Isopropyl Chloride	(CH ₃) ₂ CHCl	X	X	X	B			X	A	A			A	A		X			
I Isopropyl Ether		X	X	X	X			B		A				A		X			A
J Jet Plane Fuel	Jp1 to Jp6	X	A	X	A		A	A	A	Abp	Abp	Abp	Abp	A	A	A	A60°	A	A
K Kerosine		X	A	X	A150°		A	A	A	Abp	Abp	Abp		A	A	A85° B		A	
K Ketchup		B	A	A	A			B	X	A			A	A		A			
K Ketones		X	X		X				A					A		X			
L Lacquer		X	X	X	X		X	X	B	A	A		A	A					A
L Lactic Acid	C ₃ H ₆ O ₃	A70°		B	B		X	A	X	A	A	A	A	A	A	A	A60°	A	X
L Lactol		X	X		A			A	A	A	A		A	A					
L Lard		X	A	X	A		B	A	A	A	A	A	A	A	A	B	A60°	A	A
L Latex		A	A					A		A	A			A		A			A
L Lauric Acid	CH ₃ (CH ₂) ₁₀ COOH	A			A					A				A		A			
L Lauric Alcohol			A		B			A	A	A	A		A	A					
L Lauryl Chloride		A		A	A					A						A			
L Lavender Oil		X	B	X	B									A					
L Lead (Melted)		X	X	X	X					A400° B600°	A400° B600°			A	X	X	X		X
L Lead Acetate	Pb(CH ₃ COO) ₂ ·3H ₂ O	A	B	A	X	A		X	X	B	B			B	A	A	A		A
L Lead Nitrate	Pb(NO ₃) ₂	A	B	A	A			X	B	B	B	X	B	A	A	A	A60°	A	
L Lemon Oil		X	A	B	A			A		A	A			A		B			
L Light Oil		A			A					Abp	Abp	Abp		A		A	A		A
L Lignite Solutions																			
L Lime Slurry		A73°	B		B		X	B		A				A		A			
L Limonene		X	X	X	A									A					
L Linoleic Acid	C ₁₈ H ₃₂ O ₂	X	B	X	B	B		A		A			A	A	A	A		A	
L Linseed Oil	C ₉ H ₁₇ OH	A	A	X	A121°		B	A	B	A	A	A	A	A	A	A	A	A	A
L Lithium Bromide	LiBr	X	A		A				A					A	A				A
L Lithium Chloride	LiCl	A	A	A	A					A				A		A			
L Lithium Hydroxide	LiOH	A	B	A	A			B	A	A	A	A	A	A		A	A60°		
L Lubricating Oil	Hydrocarbons	X	B	X	A	B	A	A	A	A	A	A	A	A	A	X			A
L Lysol										A	A								
M Magnesium Carbonate	MgCO ₃	A	A	X	A		A	A	B	B	B	A	A	A	A	A	A	A	A
M Magnesium Chloride	MgCl ₂	A73°	A	A	A	A	A	X	B	B	B	A	A	A	A	A	A40°	A	A
M Magnesium Fluoride	MgF ₂	A	A	A	A					B				A		A	A60°		
M Magnesium Hydroxide	Mg(OH) ₂	B	B	A	A	A	X	B10%	A	A	A	A	A	A	A	A	A60°	A	
M Magnesium Hypochlorite	Mg(OCl) ₂	A	A	A	A				A					A		A			
M Magnesium Nitrate	Mg(NO ₃) ₂ ·6H ₂ O	A	A	A	A				B	A	A	A	A	A	A	A	A60°	A	A
M Magnesium Sulfate	MgSO ₄	A	A	A	A	A	B	A70%	A	B	B	A	B	A		A	A		
M Maleic Acid	(CHCOOH) ₂	A	X	X	A			A20%	B60%	B	A	A	A	A	A	A	A	A	X
M Malic Acid	C ₆ H ₆ O ₅	X	B	X	A			B		A	A		B	A					
M Malt		A			A			A	B	A	A		A	A					
M Manganate		A	A	A	A					A				A		A	A		A
M Manganese Chloride	MnCl ₂	A	A	A	A					Abp	Abp	A	A	A		A	A		A
M Mayonnaise		A	A					X	X	A	A			A		A	A		A
M Meleic Anhydride										X				A		A			
M Mercuric Chloride	HgCl ₂	B	A	A	B			X	X	X	X	A	B	A	A	A85°	A60°	A	X
M Mercuric Fulminate	Hg(OCN) ₂ ·1/2H ₂ O	A			A					A				A		A			
M Mercuric Nitrate	Hg(NO ₃) ₂	B	B	A	A			X	B	A	A	A	A	A	A	A	A60°	A	
M Mercurous Chloride	Hg ₂ Cl ₂	A		A	A					X				A		A	A60°		
M Mercurous Nitrate	Hg ₂ (NO ₃) ₂	A	A	A	A					A	A	A	A	A		A	A60°		
M Mercurous Sulfate	HgSO ₄	A	A	A	A			X	B	A				A		A	A60°		
M Mercury	Hg	A		A	A	A	A	X	A	A50°	A50°	A	A	A	A	A	A	A	A
M Mesityl Oxide		X	X	B	X			A	A	A	A		A	A					
M Methane		B	A	X	A		B	A	A	A	A		A	A	A	B		A	A
M Methyl Acetate	CH ₃ COOCH ₃	X	X	X	X		X	A	A	Abp	Abp	Abp	Abp	A		X			A

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		CR	NBR	EPDM	FPM	TPO	Hytrek	ALU	FC	Stainless Steel		Titanium	Hastelloy 'C'	PTFE	PFA	PP	PVC	PVDF	Nylon
										316	304								
M Methyl Acetoacetate	CH ₃ COCH ₂ CO ₂ CH ₃		X		X				A	A	A	A	A						
M Methyl Acrylate	CH ₂ =CHCO ₂ CH ₃	X	X	X	X			B	A	Abp	Abp	Abp	A		A20°				
M Methyl Alcohol	CH ₃ OH	Bdil Xconc	B	A	X24°	A	A	B	A	A	A		A	A	A	A			A
M Methyl Amine	CH ₃ NH ₂	A	B	A		B		B	B	Abp	Abp			A		X		X	
M Methyl Amyl Acetate	C ₉ H ₁₆ O ₂	X	A	X	X			A	A	A			A	A					
M Methyl Bromide	OH ₃ Br	X	X	A	A		X	X	A	A	A		B	A	A	X		A	
M Methyl Butyl Ketone		X	X	B	X					A	A			A					
M Methyl Butyrate		X	X	X				A	A	A	A		A	A					
M Methyl Chloride	CH ₃ Cl	X	X	X	B	X	X	X	A	A	A	A	A	A	A	X	X22°	A	B
M Methyl Chloroform		X								A				A					
M Methyl Ethyl Ketone	C ₂ H ₅ CO CH ₃	X	X	A	X	B	X	A	A	A	A		A	A		X		X	A
M Methyl Formate	CH ₃ COOH	B	X	X	X			A	A	A	A		A	A					A
M Methyl Isobutyl Ketone		X	X	X	X		X	A	B	B	B		A	A		A26° B85°			
M Methyl Isopropyl Ketone	CH ₃ COCH ₂ CH(CH ₃)	X	X	X	X		X			A	A			A					
M Methyl Methacrylate		X	X	X	X			B		A	A			A					
M Methyl Oleate	C ₁₇ H ₃₃ CO ₂ CH ₃	X	X	X	B									A					
M Methyl Propyl Ketone		X	X	B	X									A					
M Methyl Salicylate	C ₆ H ₄ (OH)COOCH ₃	X	X	X	B			A	A	A				A					
M Methylamine		A	B	A	A90%			B	B	A	A		B	A		A			
M Methylamyl Alcohol			B		X			A	A	A	A		A	A		A	A		
M Methylanilin		A	A	A				B	B	A				A					
M Methylchloroform	CH ₃ CHCl ₂	X	X	X	A					A	A			A					
M Methylcyclopentane		X	B	X	A					A	A			A					
M Methylene Bromide	CH ₂ Br ₂	X	X		B			X	A	A	A		A	A	A			A	
M Methylene Chloride	CH ₂ Cl ₂	X	X	X	B38°		X	A	B	Abp	Abp		A	A		X	X22°		
M Methylhexane		A	X	X	A									A					
M Milk		A	A	A	A	A	B	A	X	A	A	A		A	A	A		A	A
M Mine Water		A	A	A	X			B		A	A			A		A			
M Mineral Oil (Petroleum)	Hydrocarbons	B	A	X	A	X	A	A	A	Abp	Abp	Abp		A	A	A		A	A
M Mixed Acid	H ₂ SO ₄ <-- >15% H ₂ SO ₄ <-- <15% HNO ₃ <-- <15%									X	X	X	X	A	A	X		A	A
M Monochloroacetic Acid - Acetyl Chloride																			
M Monoethanol Amine	NH ₂ C ₂ H ₄ OH	X	B	A	B			B	A	A	A	A	A	A		X		X	A
M Mustard		A	X		X		B	B	X	A	A			A		A			
N Naphta		X	B	X	A		A	A	B	A	A		A	A	A	X		A	A
N Naphthalene	C ₁₀ H ₈	X	X	X	B	B	B	A	A	A	A	A	A	A	A	X	X	A	A
N Naphthalenesulfonic Acid	C ₁₀ H ₈ SO ₃ H ₂ O									A	A	A	A	A					
N Neohexane	C ₆ H ₁₄		A		A									A					
N Niacin-Nicotinic Acid														A					
N Nickel Acetate	(CH ₃ COO) ₂ Ni	B	B	A	X			B10%		A	A			A	A	A		A	A
N Nickel Chloride	NiCl ₂	A	A	A	A		X	X	X	X	X	A70°	A80%	A	A	A	A	A65°	A
N Nickel Chloride	NiCl ₂	A	A	A	A		X	X	X	X	X	A	A	A	A	A	A	A60°	A
N Nickel Nitrate	Ni(NO ₃) ₂	A	A	A	A			X	X	A	A	A	A	A	A	A	A	A	A
N Nickel Sulfate	NiSO ₄	A	A	A	A	A		X	X	B40%	A	X	B	A	A	A	A	A	B
N Nicotine	C ₁₀ H ₁₄ N ₂	A		A	A			A	A	A	A	A	A	A		A		A60°	
N Nicotinic Acid		A		A	A			A	A	A	A	A	A	A		A		A60°	
N Nitric Acid	HNO ₃ dil	X			A	A	X	B	X	A	A	A	A	A	A	A	A	A	A
N Nitric Acid	5%				A	A	X	B	X					A120°	A	A	A50°	A	A
N Nitric Acid	10%	B	X		A	A	X	B	X	Abp	A100°	Abp	Abp	Abp	A	A	A25°	A23°	A
N Nitric Acid	30%				A	B	X	X	X					A	A	X85°		A	
N Nitric Acid	30%-60%	X	X	X	A24°	X	X	X	X	X	A71°			Abp	A		X		A
N Nitric Acid	70%	X	X	X	B38°	X	X	X	X	A71°	X110°	Abp	X				B25°		
N Nitric Acid	conc	X	X		B	X	X	X	X	B	B	A	B				X85°	X20°	
N Nitrobenzene	C ₆ H ₅ NO ₂	X	X	X	X	A	X	A	A	A	A	A	A	A	A	A	A70°	X	
N Nitroethane	C ₂ H ₅ NO ₂	X	X	X	X			A	A	Abp	Abp	Abp	Abp	A		X			
N Nitrogen	N	A	A	A	A					A	A	A	A	A					
N Nitroglycerin	C ₃ H ₅ O ₉ N ₃	A	A		A			A	A	A	A	A	A	A					
N Nitromethane	CH ₃ NO ₂	X	X	X	X		X	A	A	A	A	A	A	A		X			B
N Nitropropane	CH ₃ CH ₂ CH ₂ NO ₂	X	X	A	X			A	A	A	A	A	A	A					
N Nitrous Acid	NHO ₂	X			A					A	A					A	A		

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		CR	NBR	EPDM	FPM	TPO	Hytrek	ALU	FC	Stainless Steel		Titanium	Hastelloy 'C'	PTFE	PFA	PP	PVC	PVDF	Nylon		
										316	304										
N																					
O	Octadecane	CH ₃ (CH ₂) ₁₆ CH ₃	B	A	X	A															
O	Octyl Acetate			X		X			A		A										
O	Octylalcohol	CH ₃ CH(CH ₂) ₆ CH ₃ C	B	A	A	B			A	A	A	A									
O	Oleic Acid		X	X	X	B		A	A	X	A20°	B	A	B	A	A	B60°		A	B	
O	Olein (Triolein)	C ₃ H ₅ (OCOC ₁₇ H ₃₃) ₃	X	B																	
O	Olive Oil		X	A	X	A			A	A	A	A	A	A	A	A	A	A	A	A	
O	Oxalic Acid dil.	(COOH) ₂ ·2H ₂ O			B	A	A	X	B	X	B60°	A	A21°		A120°						
O	conc.		B	X	A	X	A	X	B		Xbp	Xbp			A						
O	Oxyacetate (Glycollic Acid)	HOCH ₂ CO ₂ H	X	X					B		B	B			A						
O	Oxygen	O ₂	A	A		A	A				A	A	A	A	A						
O	Ozone		A	X	A	A		X	A10%	A10%	A	A			A	A	X		A	X	
O																					
P	Paint / Solvent		X	X					A		A	A			A					A	
P	Palm Oil-Cocconut Oil		X	A		A				A	A				A						
P	Palmitic Acid	CH ₃ (CH ₂) ₁₄ CO ₂ H	X	B	B	B		A	B	B	A	A			A	A	A		A	X	
P	Paraaldehyde	(CH ₂ CHO) ₃	B	X	A	X			A	A	A	A	A		A						
P	Paraffin	Hydrocarbonat		A					X		A	A	A		A					A	
P	Paraformaldehyde	(CH ₂ O) _{xx} H ₂ O	B	B		X			A10%	A	A	A			A						
P	Peanut Oil		B	A	X	A				A	A	A	A		A	A	A	A	A		
P	Pentachloroethane		X	X		A			X	A	A	A			A						
P	Pentachlorophenol		X	X	X	A			A	A	A	A	A		A						
P	Pentane	C ₅ H ₁₂	B	A	X	A		B	A	B	B	B			A					A	
P	Peppermint Oil		X	X		A					A	A			A						
P	Perchloric Acid	HClO ₄	A100°	X	B	A	X		X	X	A100°	A100°			A70%	A70%	A70%		A	X	
P	Perchloroethylene	C ₂ H ₂ Cl ₄	X	X	X	A70°			B	B	Abp	Abp	Abp	Abp	A	A	X		A		
P	Phenethyl Alcohol		X	X	B	X			A	A	A	A			A						
P	Phenetole																				
P	Phenol-Carboic Acid	C ₆ H ₅ OH	X	X	X	A		X	B	A					A			X		B	X
P	Phenolsulfonic Acid	C ₆ H ₄ (OH)SO ₃ H		X		X			B	B	B	B			A						
P	Phenyl Acetate	CH ₃ CO ₂ C ₆ H ₅	X	X	B	X									A						
P	Phenyl Ethyl Ether	C ₆ H ₅ OC ₂ H ₅	X	X	X	X									A						
P	Phenylhydrazine	C ₆ H ₅ NHNH ₂	X	X	X	A			A	X					A			X		B	
P	Phenylhydriene																				
P	Phosphoric Acid	H ₃ PO ₄																			
P	Anhydrous	dry or wet									A	A									
P	Melted																				
P	Phosphoric Acid dil.	H ₃ PO ₄	A93°	X	A	A	A	A	X	X	A	A	A	A	A	A	A	A	A	A	
P	<45%		Acold						X	X	Acold	Xcold	Acold	Acold	Acold						
P	>45%		Acold	B					B	X	A30°	B30°	Xcold	Xcold	Xcold						
P	>45%		Ahot	B					B	X	Bhot	Bhot		Xhot	Xhot						
P	75									X	X		X								
P	conc.		A65°	X		A	X	A	X	X	B	B		A	A120°			A85°	A	A	
P	100%		A						A	X	X	X	X					A65°	A65°	A	
P	Phosphoric Anhydride-	H ₃ PO ₄	B		B	A			X	X	A				A	A					
P	Phosphoric Acid																				
P	Phosphorus Oxychloride	POCl ₂	X						B	B	B	X		B	A						
P	Phosphorus Pentoxide	P ₂ O ₅	A	A	A	A					A20°	A20°	A		A						
P	Phosphorus Trichloride	PCl ₃	X	X	A	A	A				A	A	A		A	A	X			A	
P	Photographic Developer		A	A	A	X		X	X	X	A20°	A20°		A	A	A	A	A60°	A		
P	Photographic Fixer				A	X			X	X	X	X	A	A	A			A	A60°		
P	Phtalic Acid	C ₆ H ₄ (COOH) ₂									A	A	A		A						
P	Picric Acid	C ₆ H ₂ (OH)(NO ₂) ₃	B	B	B	A		X	A	X	A	A		B	A	A	A	X22°	A	X	
P	Pineapple Oil		X	B	X	A			A	B	A	A			A						
P	Pinene		X	B	X	A									A						
P	Plating Solutions Brass		A	X	A	A					X				A			A85°	A		
P	Cadmium		A	X	A	A					X				A			A85°	A		
P	Chrome		B	X	A	A					X	X			A			B85°	A		
P	Copper		A	X	A	A					X				A			A85°	A		
P	Gold		A	X	A	A					X				A			A85°	A		
P	Lead		A	X	A	A					X				A			A85°	A		
P	Nickel		A	X	A	A					X				A			A85°	A		
P	Platinum		A	X	A	A					X				A			A85°	A		

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Chemicals	Formula	Rubbers + Thermo plastic						Metals					Plastics						
		CR	NBR	EPDM	FPM	TPO	Hytre	ALU	FC	Stainless Steel		Titanium	Hastelloy 'C'	PTFE	PFA	PP	PVC	PVDF	Nylon
										316	304								
P Kraft Liquor		A70°																	A66°
P Black Liquor		A70°	A		A									A					A66°
P Sulfito Liquor		A70°												A					A66°
P White Liquor		A70°												A					A66°
P Green liquor		A70°	A	A	A									A			A		A66°
P Pyridine	C ₅ H ₇ N	X	X	B	X			A	B	A	A		A	A			A		
P Pyrogallol	C ₆ H ₃ (OH) ₃									A20°	A20°		A	A					
P Pyrrole	C ₄ H ₅ N	X	X	X	X									A					
P Quench Oil		B	B		A			A		A			A	A					
Q Quinone	C ₆ H ₄ O ₂			A	X					A				A					
R Racemic Acid		A	A	A	A					A	A	A	A	A		A	A		
R Radium Chloride	RaCl ₂	A	X	A	A					X				A		A			
R Rape Oil		X	B	A	A			A	A	A	A	A	A	A					
R Resorcinol	C ₆ H ₄ (OH) ₂	X	X	X	A					A100°	A100°		A100°	A		X			
R Rhodium Chloride	RhCl	A	A	A	A									A		A			
R River Water	Saturated with Cl ₂						A			X93°				A	A		A	A	
R Rose Oil		X			A					A	A			A					
R Rosin Oil		X	A	A	A			A		A	A	A		A		A			
R Rosin Oil - Turpentine Oil														A					
R Rum		A	A	A	B					A	A		A	A					
S SAE Oil	#10	X	A	X	A					A				A		A			A
S Salicylic Acid		B	B	A	B			A	X	A20°	A20°		A	A					A
S Salt Water		B	A	A	A	A	A	B	X	A				A	A	A		A	
S Sea Water		B	A	A	A		X	A	B	A	A		A	A	A	A	A	A	A
S Sesame Oil		X	A	A	A					A	A	A		A					
S Sewage		B	A	X	X		B	B	B	A	A	A		A	A	A		A	
S Sidium Peroxide	NO ₂ O ₂	A	X	A	A			B	B	A	A	A		A		A			
S Silica - Silicon Oxide - Silic Anhydride																			
S Silicic Acid	SiOH ₂	A	A	A	A	A				A	A	A		A		A			
S Silicic Anhydride - Silicon Oxide - Silica																			
S Silicic Ester		A	B	X	A									A					
S Silicon Oxide (Silicon Dioxide)	SiO ₂	A	A	A	A					A	A	A	A	A		A	A		A
S Silicone Oil		X	A	A	A	B	A	A	A	A	A	A		A	A	A	A	A	A
S Silver Acetate	CH ₃ COOAg	A	X	A	A					A				A		A			
S Silver Chloride	AgCl	A	A	A	A					X	X	A	A	A	A	A	A	A	
S Silver Cyanide	AgCn	A			A			X	X	A	A		A	A	A	A		A	
S Silver Nitrate	AgNO ₃	A	A	A	A	A		X	X	A60%	A60%	A52°	A60%	A	A	A85°	A60°	A	
S Slaked Lime -Calcium Oxide																			
S Soapy Water		A	A	A	A	A		X	X	A	A	A	A	A	A	A	A	A	A
S Soda Beverage																			
S Soda Pop		A	A		A			B	B	A	A			A					A
S Sodium Acetate	CH ₃ COONa3H ₂ O	X	X	A	X			A	A	A	B		A	A	A	A		A	
S Sodium Benzoate	C ₆ H ₅ CO ₂ Na(+H ₂ O)	A	X	A	A					A	A	A	A	A		A	A60°		
S Sodium Bisulfite	NaHSO ₄	X	X	A	A	A	B	B		A	A	B	B	A	A	A	A60°	A	X
S Sodium Borate	NaBO ₂ 5H ₂ O	A	A	A	A		B	B		A	A	A	A	A	A	A	A	A	A
S Sodium Bromate	NaBrO ₃	B	X	A	A					X				A		A			
S Sodium Bromide	NaBr2H ₂ O	A	A	A	A			X	X	B30%	B30%	X	B50%	A	A	A	A60°	A	
S Sodium Bromite	NaBrO ₂	B			A			X	X	B	B	X	X	A		A	A		
S Sodium Carbonate	Na ₂ CO ₃	A	A	A	A		B	X	X	A		A	A			A	A	A	A
S Soda Ash	10% saturated							X	X	Abp		A	A			A100°	A73°	A73°	A73°
S Sodium Chlorate	NaClO ₃	B	X	A	A			X	B	A60%	X		A20%	A	A	A		A	
S Sodium Chloride	NaCl	A	A	A	A	A	B	B	B30%	A	A	A	A	A	A	A85°	A	A	A
S Sodium Chlorite	NaClO ₂	X	X	A	A	A				X	X	A100°	A10%	A		A	A10%		
S Sodium Cyanide	NaCN	A	A	A	A		A	X	A	A	A	A	X	A	A	A	A60°	A	A
S Sodium Dichromate	Na ₂ Cr ₂ O ₇	B93°	A	A	A		X			A	A	A	B	A	A	A	A60°	A	X
S Sodium Disulfide		A	A	A	A			B50%	X	B50%	B50%		B	A					
S Sodium Ferricyanide	Na ₃ [(Fe(CN) ₆]	A	A	A	A			A	A	A	A	A	A	A		A	A60°		A

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Chemicals	Formula	Rubbers + Thermo plastic						Metals					Plastics						
		CR	NBR	EPDM	FPM	TPO	Hytrek	ALU	FC	Stainless Steel		Titanium	Hastelloy 'C'	PTFE	PFA	PP	PVC	PVDF	Nylon
										316	304								
Sodium Ferrocyanide	Na ₄ [Fe(CN) ₆]	A	A	A	A			A	A	A	A	A	A	A		A	A60°		A
Sodium Fluoride	NaF	A	A	A	A			B30%	B	B10%	B			A	A	A	A	A	A
Sodium Hydrogen Sulfate	NaHSO ₄	A	A	A						B	B	A	A	A	A	A	A	A	
Sodium Hydrogen Sulfite	NaHSO ₃	A	A		A			X	X	A100°	Abp	Abp	Abp	Abp		A	A		A
Sodium Hydrogencarbonate	NaHCO ₃	A	A	A	A					A	X	A	Abp	A		A	A60°		
Sodium Hydrogencarbonate Water		A	A	A	A					A			A60°	A60°			A		
Sodium Hydroxide	NaOH	B	B	B	X	A	X	X	B	B	B			A	A	B		A	
Caustic Soda										A130°	A130°								
Sodium Hypochlorite 5%	NaOCl	B	X		A	A	A			B	B	A	X:Air present	A	A	B25°		A	
Sodium Hypochlorite 10%		B	X		A	A	A						B:Air absent	A	A	B25°	A20°	A	
Sodium Hypochlorite 20%					B70°	B								A	A	X		A	
Sodium Hypochlorite 100%			X		B					X				A	A	X		A	
Sodium Hyposulfite		A	A	A	A					B	B			B	A	A			
Sodium Iodide	NaI	A	A	A	A					A				A		A			
Sodium Metasilicate	Na ₂ SiO H ₂ O	A								A	A	A	A	A	A	A	A	A	A
Sodium Nitrate	NaNO ₃	A73°	X	A	A	A		A90%		A90%	A90%	A	A	A	A	A	A60°	A	
Sodium Nitrite	NaNO ₂	X	A	A	A			A		A	A	A40%		A	A	A	A60°	A	
Sodium Oxalate	Na ₂ (COO) ₂	A	A	A	A					A				A		A			
Sodium Perborate	NaBO ₃	B	X	A	A		B	X	B10%	B	B			A	A	A	A	A	
Sodium Perchlorate	NaClO ₄ 10%	A100°	X	A	A					A100°	A100°	A100°		A		A			
Sodium Phosphate	NaH ₂ PO ₄ Na H PO ₄ Na ₃ PO ₄	B	B	A	A	A		X	B	B	B	A	A	A	A	A	A	A	A
Sodium Salicylate	NaC ₇ H ₅ O ₃									A20°	A20°								
Sodium Silicate	NaSiO ₃ Na ₂ SiO ₂	A	A	A	A	A	A	X	B	A	A	A		A	A	A		A	
Sodium Sulfate	Na ₂ SO ₄	B	A	A	A	A	A	B30%	B	A	A			A	A	A	A	A	
Sodium Sulfide	Na ₂ S	A	A	A	A	A	A			A	A	A	A	A	A	A	A	A	
Sodium Sulfite	Na ₂ SO ₃ ·7H ₂ O	A	A	A	A	A	A	X	X	A30%	B30%	A	B90%	A	A	A	A	A	A
Sodium Sulfite										A	A			A					
Sodium Tetraborate	Na ₂ B ₄ O ₇		A		A		B							A	A	X		A	B
Sodium Tetrafulborate		A	X	A	A					X				A		A			
Sodium Thiosulfate	Na ₂ S ₂ O ₃	A	A	A	A			A	X	A	A	A	A	A	A	A	A	A	
Sodium Uranate	Na ₂ UO ₄	A	A	A	A					A				A		A			
Soybean Oil		X	A	B	A		B	A		A			A	A		B	A		A
Soybean Sauce		A	A						X	A				A					
Starch Solution		A	A	A	A			A	A	A	A	A	A	A		A	A		
Stearic Acid	C ₁₇ H ₃₅ COOH	B	X	B	A			B	X	A	A	A	A	A	A	A85°	A	A	
Styrene	C ₆ H ₅ CH=CH ₂	X	X	X	A			A	A	A				A	A			A	
Sugar Liquids		A	A	A	A					A	A	A		A	A	A	A	A	A
Sulfide Wastes		A	A	A	A					A				A		A			
Sulfur Chloride	S ₂ Cl ₂	X	X	X	A		X	X	X	A	B		A	A	A	X		A	A
Sulfur Disulfide		A	X	B	A	A		A	B	A	A	A	A	A					
Sulfur Hexafluoride	SF ₆	A	B	A	A		A							A					
Sulfur Trioxide	SO ₃	X	X	X	A			B	B	A	A			A					
Sulfuric Acid	H ₂ SO ₄																		
Sulfuric Acid 5%		A	X		A	A	A	X		A	A	A	A			A	A	A	
Sulfuric Acid 5%					A	A	A	X	X	B35°	B			Abp	A	A50°	A	A	
Sulfuric Acid < 10%		A			A	A	A	X	X	X	X	A	Bbp	A	A	A50°	A	A	
Sulfuric Acid 50%		B	X		A120°		A	X	X	X	X	Xbp	Xbp			B		A65°	
Sulfuric Acid 0-60%		A93°	X	X	A			X	X	X	X	X		A	A		A40°	A65°	
Sulfuric Acid 10-75%		X			A			X	X	X	X	X		A	A	B		A65°	
Sulfuric Acid 50-85%		X	X	X	A	A		X	X	X				A	A			A50°	
Sulfuric Acid 80%					A	A		X	X							X	A60°	A50°	
Sulfuric Acid 75-95%					A	A			X	X				A	A	X	A60°	A50°	
Sulfuric Acid 95%		X			A100°	A		X	X	X	X	X	X	A	A			A50°	
Sulfuric Acid 95%					A	A		X	X					A	A			A50°	
Sulfuric Acid 85-95%					A70°	A		X	X							X		A50°	
Sulfuric Acid 98%		X	X	X				X	X	X						X	A60°	A50°	
Sulfuric Acid 98%		X	X		B10°			X	B								A65°	A50°	
Sulfuric Acid conc.										A20°	A20°	Xbp	A65°	Xbp			A10°	A50°	

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										316	304								
Sulfuric Acid conc. fuming > 98%		X						A	B	A10°	A10°		A10°	A	A				
Sulfuric Acid fuming		X			X			X60°	X60°	X60°	X60°	X	X60°	A					
Sulfuric Anhydride		X	X	X	A20°			X	X	X	X	X	X	A			X		
Sulfur Trichloride																			
Sulfuric Anhydride																			
Sulfur Trioxide																			
Sulfurous Acid	H ₂ SO ₃	X	X	X	A			X	X	X	X	A	B	A	A	A	A60°	A	
Sulfurous Anhydride - Sulfurous Acid																			
Syrup		A						A	A	A	A	A	A	A		A	A	A	A
Tannic Acid	C ₇₆ H ₅₂ O ₄₆	A	X	A	A	A		A	A	A	A	A	A	A	A	A	A	A	A
Tanning Oil																			
Tar Oil (Rosin Oil)																			
Tartaric Acid	C ₄ H ₆ OH 50%	A	X	X	A		B	B	X	Abp	Abp	A	A	A	A	A85°	A	A	
Terpineol	C ₁₀ H ₁₈ O	X	X	X	A			A	A	A	A		A	A		X			B50°
Tetrabutyl Titanate	Ti(C ₄ H ₉) ₄	A	B	B	A									A					
Tetrachloroethane	ClCH ₂ CCl ₃	X	X	X	A	X		X	A	B	B		A	A					
Tetrafluoroethylene			X		A			A	A	A	A		A	A					
Tetraethylene Glycol				A	A									A					
Tetraethyllead	(C ₂ H ₅) ₄ Pb	X	B	X	B			B	A	A	A			A					
Tetrahydrofuran	CH ₂ CH ₂ >O	X	X	X	X		B							A		X			B20°
Tetrahydronaphthalene (Tetralin)	C ₁₀ H ₁₂	X	X	X	A			A	A	A	A		A	A		X			
Thionyl Chloride	SoCl ₂	X	X	X	B			X	X	X	B	A	A10%	A		B	A	X	
Tin	Sn										A	A							
Tin(II) Chloride	SnCl ₂	A	A	A	A			X	X	X	X	A	A	A		A			
Tin(III) Chloride	SnCl ₄	B	A	A	A			X	X	X	X	A	A	A		A	A		
Titanium Dioxide	T:O ₂	A	A	A	A			A	A	A	A	A	A	A		A	A		
Titanium Tetrachloride	TiCl ₄	X	X	X	A			X	A	B	B		B	A		B		B	
Toluene	C ₆ H ₅ CH ₃	X	X	X	A24°	X	X	A	A	Abp	Abp	Abp	Abp	A	A	X	X	A	
Toluene Diisocyanide		X		A			B							A					
Toluidine	C ₆ H ₄ (CH ₃)(NH ₂)		X		B			A	A	A	A	A	A	A					
Tomato Juice/Lees		A	X	A	X			B		A	A	A	A	A	A	A	A	A	A
Toothpaste		X	A		A			A	A	A	A	A	A	A		A	A		
Triacetin	C ₉ H ₅ (OCOCH ₃) ₃	B	A	A	X			B						A					
Triaryl Phosphate		X	X	A	A									A					
Tributyl Phosphate		X	X	X	X		B	A		A				A		A			
Trichlene(Trichloroethylene)	C ₂ HCl ₃	X	X	X	B	X	X	X		A90%			A	A	A	X		A	
Trichloride																			
Trichloroacetic Acid	CCl ₃ CO ₂ H	B	X	X	B			X	X	X	X		B	A					
Trichlorobenzene	C ₆ H ₃ Cl ₃	X	X		B			A	A	A	A	A	B	A					
Trichloroethane	Cl ₂ CHCH ₂ Cl	X	X	X	B			A	A	A	A	A	A	A					
Trichloroethylene	Cl ₂ H:CHCl	X	X	X	A24° B70°	X		A	B	A	A	A	A	A		A23° X60°	X		A
Trichloropropane	ClCH ₂ CHClCH ₂ Cl	A	X		B			A	A	A	A	A	A	A					
Tricresyl Phosphate	(CH ₃ C ₆ H ₄) ₃ PO ₄	X	X	A	A				A	A	A			A					X
Tridecylalcohol	CH ₃ (CH ₂) ₁₂ OH			A	B									A					
Triethanolamine	N(C ₂ H ₄ OH) ₃	A	X	B	X			A	A	A	A		A	A		A	Abp	X	A
TriethylAluminum	(C ₂ H ₅) ₃ Al	X	X		B									A					
Triethylamine	(C ₂ H ₅) ₃ N	B	A						A	A	A		A	A	A	X		A50°	A
Triethylborane	(C ₂ H ₅) ₃ B	X	A											A					
Triethylene Glycol	(CH ₂ OCH ₂ CH ₂ OH) ₂		X		A									A		A			
Trimethyl Glycol	CH ₃ CH(OH)CH ₂ OH			A	A			A	A	A	A	A	A	A					
Trimethylamine	(CH ₃) ₃ N	A	X	A	X					Abp	Abp	Abp	Abp	A		A	A60°		
Trinitrotoluene	C ₆ H ₂ (CH ₃)(NO ₂) ₃	B	X	X	X									A					
Triocetyl Phosphate	C ₆ H ₁₂ (O) ₃ PO	X	X	A	B									A					
Turpentine		X	A	X	A		B	A	A	A	A	A		A	A	X		A	
Turpentine Oil		X	X	X	A	X				A	A	A		A		B			
Uranium Chloride		A	A	A	A					X						A			

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		CR	NBR	EPDM	FPM	TPO	Hytel	ALU	FC	Stainless Steel		Titanium	Hastoloy 'C'	PTFE	PFA	PP	PVC	PVDF	Nylon
										316	304								
U Uranium Oxide	UO ₂	A	A	A	A					A				A		A			
U Urea	CO(NH ₂) ₂	A	X	A	X	A			B		A50%			A	A	A	A60°	A	A
U Uric Acid	C ₅ H ₄ N ₄										A20°	A20°		A					
U Urine		X	A			A	A		A	A	A		A	A	A			A	
V Valerianic Acid	CH ₃ (CH ₂) ₃ COOH	X	X	A					A					A					
V Vanilla Extracts		X	A		X						A	A		A					
V Varnish		X	B		A						A	A	A	A	A	A60°	A		
V Varnish (Copal)											A	A		A					
V Vegetable Juice		X	A						X		A	A		A					
V Vegetable Oil		X	B	A	A				A	B	A	A		A		X			
V Vinegar		A	X	A	A	A			X	X	A	A	A	A		A	A		A
V Vinyl Acetate	CH ₃ COOCH=CH ₂	B	X	A	X						A	A	A		A	A	X		A
V Vinyl Chloride	CH ₂ CHCl	X	X	X	A				X	A	A				A			B	A
V Volatile Oils-Naphta		X	B	X	A				A	A	A	A	A		A		A	A	A
W Walnut Oil		B	A		A										A				
W Water Fresh	H ₂ O	B	A	A	A	A	A25°		A	A	A			A	A	A		A	B
W Water Distilled	H ₂ O	X	A	A	A				A	X	A			A	A		A		A
W Wax	Hydrocarbons	A	A	X					A		A	A		A					
W Whale Oil		X	A		A					A	A	A	A		A				
W Whisky		A	X	A	A				B	X	A	A			A	A	A85°	A60°	A
W Wine		A	A	A	A		A		X	X	A	A	A		A	A	A	A	A
W Wood Sprit Oil																			
W Wort Distillery	SugarSol.from Malt	A			A				A	B	A			A					
X Xylene	COH ₄ (CH ₃) ₂	X	X	X	X	X	B		A	B	A	B	A		A	A	X		A
X Xylene Glycol (Brake Fluid)		X	X	X	A		B		A	B	B			A	A	A	X		A
X Xylidine		X		X	X				B	B					A				
Z Zeolite		X	X	A	A						A			A	A				
Z Zinc Acetate	(CH ₃ COO) ₂ Zn	B	X	A	X	A			X					A	A	A			A
Z Zinc Carbonate	Zn CO ₃		A		A				B	B	B			B	A				
Z Zinc Chloride	ZnCl ₂	A	B	A	A	A	A		A10%	B	A10%	A10%	A	B	A	A	A85°	A60°	A
Z Zinc Cyanide	Zn(CN) ₂										A20°	A20°			A		A	A	A
Z (Prussium Acid) conc.															A		A85°		
Z Zinc Hydrogensulfate		A	A						X		A	A			A				
Z Zinc Nitrate	Zn(NO ₃) ₂	A	A	A	A						A	A	A		A		A85°	A60°	
Z Zinc Sulfate	Zn SO ₄	A	A	A	A	A	X		B20%	X	B	B	A	A55°	A	A	A85°	A60°	A