

CHEMICAL	NEOPRENO	BUNA	EPDM	HYTREL	FKM	PTFE	SANTROPRENE	ALUMIN	CAST IRON	STAINLESS	POLLYPRO	ACETAL	PVDF	NYLON
Acetaldehyde (Ethanal) CH <sub>3</sub> CHO	X	X	A	B	X	A	B	A	B	A	C	A	A <sup>150°</sup>	B
Acetamide (Acetic Acid Amide) CH <sub>3</sub> CONH <sub>2</sub>	B	B	A		B	A	A	A	X	X	A		A <sup>140°</sup>	A
Acetate Solvents CH <sub>3</sub> COOR	X	X			X	A	B	A		A	X	A	A	A
Acetic Acid — 20%	B	C	A	A	C	A	B		A	A	B	A	B	A
Acetic Acid — 30%	B	C	A	A	X	A	B	X	A	A	B	B	B	
Acetic Acid — 50% CH <sub>3</sub> COOH	C	C	A		C	A	B	X	A	A	B	B	B	
Acetic Acid — Glacial CH <sub>3</sub> COOH	X	C	B	A	X	A	B	B	X	A	C	B	A <sup>120°</sup>	X
Acetic Anhydride (Acetic Oxide) (CH <sub>3</sub> CO) <sub>2</sub> O	B	C	B	C	X	A	A	B	90%B <sup>10°</sup>	A	X	X	B <sup>70°</sup>	A
Acetone (Dimethylketone) CH <sub>3</sub> COCH <sub>3</sub>	X	X	A	C	X	A	B	B	A	A	X		B <sup>120°</sup>	X
Acetone Cyanohydrin (CH <sub>3</sub> ) <sub>2</sub> C(OH)CN	B	X	X		X	A	A	B	B	B				
Acetonitrile (Methyl Cyanide) CH <sub>3</sub> CN	A	C	A		X	A	A	A	A	A		A	A	A
Acetophenone														
(Phenyl Methyl Ketone) C <sub>6</sub> H <sub>5</sub> COCH <sub>3</sub>	X	X	A		X	A	B	B	A	A	A <sup>70°</sup>		A	A
Acetyl Acetone (2,4-Pentanedione)														
CH <sub>3</sub> COCH <sub>2</sub> COCH <sub>3</sub>	X	X	A		X	A	B	X	B	B				
Acetyl Chloride CH <sub>3</sub> COCl	X	X	C	X	B	A	B	X	A	B	X		A	X
Acetylene (Ethyne) HC≡CH	C	A	A	A	A	A	C	A	A	A	X	A	A	B
Acetyl Salicylic Acid (Aspirin) (CH <sub>3</sub> CO) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> COOH	X		B			A	A	X	B	B				
Acetylene Tetrabromide (Tetra Bromoethane)														
(CHBr <sub>2</sub> ) <sub>2</sub>	X	X			A	A	X	X	A					
Acrolein (Acrylaldehyde) H <sub>2</sub> C=CHCHO		B			A	A	A	B	B	B				
Acrylonitrile (Vinyl Cyanide) CH <sub>2</sub> =CHCN	X	X	X		X	A	B	A	A	A	B		A	A
Adipic Acid														
(1,4-Butanedi carboxylic Acid)	X	B			A	A	B	B	B	B	A		A	A
Allyl Alcohol (2-Propen-1-ol) CH <sub>2</sub> CHCH <sub>2</sub> OH	A	A	A		B	A	B	A	A	A			A	
Alcohols R-OH				B							A	A	A	A
Amyl (1-Pentanol) C <sub>5</sub> H <sub>11</sub> OH	B	B			B	A	A	B		A	B	A	A	A
Benzyl (Phenylcarbind) C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> OH	B	X			A	A	A	B		A	A	A	A	A
Butyl (Butanol) C <sub>4</sub> H <sub>9</sub> OH	A	A			A	A	A	B		A	B	A	A	B
Diacetone (Tyranton) (CH <sub>3</sub> ) <sub>2</sub> C(OH)CH <sub>2</sub> COCH <sub>3</sub>	X	X	B		X	A	C	A	A	A	X	A	A	A
Ethyl (Ethanol) CH <sub>3</sub> CH <sub>2</sub> OH	A	A		X	B	A	B	B	B	A	A <sup>100°</sup>		A	X
Hexyl (1-Hexanol) C <sub>6</sub> H <sub>13</sub> OH	B	A			A	A	B	A		A	A <sup>70°</sup>		A	
Isobutyl														
(2-Methyl-1-Propanol) C <sub>4</sub> H <sub>9</sub> OH	A	C			A	A	A	B		A			A	
Isopropyl (2-Propanol) H <sub>3</sub> CCH(OH)CH <sub>3</sub>	B	C			A	A	B	B	C	A	A		A <sup>150°</sup>	
Methyl (Methanol) CH <sub>3</sub> OH	A	A	X		X	A	A	B	A	A	A <sup>120°</sup>		A	
Octyl (Caprylic Alcohol) C <sub>8</sub> H <sub>17</sub> OH	B	B			A	A	B	A		A				
Propyl (Propanol) C <sub>3</sub> H <sub>7</sub> OH	A	A			A	A	A	A		A	A		A <sup>120°</sup>	
Allyl Bromide														
(3-Bromopropene) H <sub>2</sub> C=CHCH <sub>2</sub> Br	X	X	X		B	A		X	A					
Allyl Chloride														
(3-Chloropropene) CH <sub>2</sub> =CHCH <sub>2</sub> Cl	X	X	X		B	A		X	C	B	A <sup>70°</sup>		A	
Alkazene (Chlorethyl or Polyisopropyl benzenes)	X	X			A	A	X							
Almond Oil (Artificial)	X	X	B		X	A								
Alum (Aluminum Potassium Sulfate Dodecahydrate)														
KA(SO <sub>4</sub> ) <sub>2</sub> ·12H <sub>2</sub> O	A	A	A		X	A	A			B	A		A	C
Aluminum Acetate (Burov's Solution)	C	C	A		X	A	A		B	C	A	A <sup>100°</sup>		A
Aluminum Bromide AlBr <sub>3</sub>	A	A				A							A	
Aluminum Chloride AlCl <sub>3</sub>	A	A	A	B	A	A	20%A	X	C	B	A	B	A	B
Aluminum Fluoride AlF <sub>3</sub>	A	A	B		A	A	A	50%A	C	C	A	X	A	A
Aluminum Hydroxide (Alumina Trihydrate)														
Al(OH) <sub>3</sub>	A	B	A		C	A	A	10%B	30%B	B	A		A	A
Aluminum Nitrate Al(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O	A	A	A		A	A	A	X		0%A	A		A	B
Aluminum Phosphate AlPO <sub>4</sub>	A	A	A		A	A	A							
Aluminum Potassium Sulfate (Potash Alum)														
KA(SO <sub>4</sub> ) <sub>2</sub>	A	A	A		A	A	A	10%A	X	A	A	A	A	X
Aluminum Sodium Sulfate (Soda Alum)														
NaAl(SO <sub>4</sub> ) <sub>2</sub>	A	A	A		A	A	A							
Aluminum Sulfate (Cake Alum)														
Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	A	A	A	B	A	A	A	30%B	X	50%A <sup>100°</sup>	A	B	A	A
Amines														
R-NH <sub>2</sub>	B	X		A <sup>70°</sup>	X		A	A		A	B	C		A
Ammonia Anhydrous, Liquid NH <sub>3</sub>	B	B	A	X	X	A	A	A	A	A	A	X	A	A
Ammonia Gas — Cold	A	A			A	A	A							
Ammonia Gas — Hot	B	C			X	A	A							
Ammonia Liquors	A				X	A	A	A	A	A				
Ammonium Nitrate NH <sub>4</sub> NO <sub>3</sub>	B	A	A	B	A	A	A	B	B	A	A	B	A	C
Ammonium Cupric Sulfate (NH <sub>4</sub> ) <sub>2</sub> Cu(SO <sub>4</sub> ) <sub>2</sub>					A	A	A							
Ammonium Acetate CH <sub>3</sub> CO <sub>2</sub> NH <sub>4</sub>	A				A	A	A	50%B	50%A					
Ammonium Bicarbonate NH <sub>4</sub> HCO <sub>3</sub>	A	A	A		A	A	B	B	90%B					

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Ammonium Bifluoride — 10% NH <sub>4</sub> HF <sub>2</sub>	X	B				A	A	C	X	B	A		A	
Ammonium Carbonate (NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	B	X	A		A	A	A	B	B	70% A212*	A		A	A
Ammonium Caserite	A						A			A				
Ammonium Chloride (Sal Ammoniac) NH <sub>4</sub> Cl	A	A	A	A	A	A	A	X	X	B	A	X	A	B
Ammonium Dichromate (NH <sub>4</sub> ) <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	A	A	A			A	A	A	30%A					
Ammonium Fluoride NH <sub>4</sub> F	B	B			20%A	A		10%B	20%B		B		A	A
Ammonium Hydroxide (Aqua Ammonia) NH <sub>4</sub> OH	B	B	A		B	A	A	30%A	30%B	50%A	A	B	A	C
Ammonium Metaphosphate	A	A	A		A	A		90%B	B	B	A		A	
Ammonium Nitrite NH <sub>4</sub> NO <sub>2</sub>	A	A				A	A				70%A		A	
Ammonium Oxalate (NH <sub>4</sub> OOCC <sub>2</sub> O <sub>2</sub> )	A	A					A			A				
Ammonium Persulfate (NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	A	C	B		A	A	A	C	X	A	A		A	X
Ammonium Phosphate, Monobasic (NH <sub>4</sub> )H <sub>2</sub> PO <sub>4</sub>	A	A	A	B	A	A	A	X	X	B	A		A	
Ammonium Phosphate, Di-Basic (NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>	A	A			A	A	A	B		A	A	B	A	C
Ammonium Phosphate, Tri-Basic (NH <sub>4</sub> ) <sub>3</sub> PO <sub>4</sub> ·3H <sub>2</sub> O	A	A			A	A	A	X		B	A		A	
Ammonium Sulfate (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	A	A	A	C	A	A	A	X	B	80% A212*	A	B	A	B
Ammonium Sulfide (NH <sub>4</sub> ) <sub>2</sub> S	A	A			A	A		B		B				
Ammonium Sulfite (NH <sub>4</sub> ) <sub>2</sub> SO <sub>3</sub> ·H <sub>2</sub> O		A			A	A		C	X	B	A	X		A
Ammonium Thiocyanate NH <sub>4</sub> SCN	A	A	A		A	A		C	C	50%A				
Ammonium Thiosulfate (NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	A	A	A		A	A	A	40%A	X	10%A				
Amyl Acetate (Banana Oil) CH <sub>3</sub> (CO) <sub>2</sub> C <sub>4</sub> H <sub>9</sub>	X	X	A	C	X	A	B	A	B	A	X	X	A120*	C
Amyl Alcohol (Pentyl Alcohol) CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> OH	A	B	A	A	A	A	B	A	A	A	A		A	
n-Amyl Amine (1-Aminopentane) CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> NH <sub>2</sub>	X	C	X		X	A								
Amyl Borate C <sub>5</sub> H <sub>11</sub> BO <sub>3</sub>	B	A			A	A	B							
Amyl Chloride (Chloropentane) CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> Cl	X	X	X		A	A	C	X	A	A	X	A	A	C
Amyl Chloronaphthalene	X	B			A	A	C							
Amyl Naphthalene C <sub>15</sub> H <sub>19</sub>	X	X	X		A	A	C							
Amyl Phenol C <sub>4</sub> H <sub>9</sub> (OH)C <sub>6</sub> H <sub>5</sub>		X			A	A		A	A	A				
Aniline (Aniline Oil) (Amino Benzene) C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub>	X	X	C	X	B	A	B	B	A	A	A	A	A	A
Aniline Dyes	C	C	C		B	A	B	B	C	B				
Aniline Hydrochloride C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> ·HCl	X	C			B	A	A	X	X	X	X		A	X
Animal Fats & Oils	C	A	B	B	A	A	C	A	X	A			A	
Animal Gelatin	A	A	A		A	A				A				
Anisole (Methylphenyl Ether) C <sub>6</sub> H <sub>5</sub> OCH <sub>3</sub>	X				X	A		B	B	B				
Ansul Ether	X	C			X	A	X							
Anthraquinone C <sub>14</sub> H <sub>8</sub> O <sub>2</sub>						A		B	B	B				
Anti-Freeze (Alcohol Base)	A	A	A		A	A		A	A	A				
Anti-Freeze (Glycol Base) (Prestone Etc.)	B	A	A		A	A	A	A	A	A				
Antimony Pentachloride SbCl <sub>5</sub>		X				A		A	A	A				
Antimony Trichloride SbCl <sub>3</sub>		B	A		A	A		B	A	A	A		A	X
Aqua Regia (Nitric & Hydrochloric Acid)	X	X	X		B	A	X	X	X	X	C	X	A	X
Aroclor®														
PCB mixtures	X	C	X		A	A		A	B	A	X			A
Aromatic Hydrocarbons C <sub>6</sub> H <sub>6</sub> R	X	X		C	A	A	C	A	A	A				
Aromatic Solvents (Benzene Etc.)	X	C	X		B	A		A	B	A				
Arsenic Acid AsH <sub>3</sub> O <sub>3</sub>	A	B	A		A	A	A	A	X	B	A		A	X
Arsenic Trichloride (Arsenic Butter) AsCl <sub>3</sub>	A	C	X		X	A	B	B	B	X				
Ascorbic Acid C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>					A	A		A	X	A				
Askarel® (Pyranol) PCB mixtures	X	B	X		C	A	X			A				
Asphalt Hydrocarbons	C	B	X	B	A	A	B	A	B	A	A	B	A	A
Asphalt Topping Hydrocarbons	A	C		B	C	A			A	A				
ASTM — Ref Motor Fuel A (Aliphatic) Hydrocarbons	B	A	X	A	A	A		A	A	A				
ASTM — Ref Motor Fuel B (30% Aromatic) Hydrocarbons	X	A	X	A	A	A		A	A	A				
ASTM — Ref Motor Fuel C (50% Aromatic) Hydrocarbons	X	B	X	C	A	A		A	A	A				
ASTM — Ref #1 Oil (High Aniline) Hydrocarbons	B	A	X	A	A	A	A	A	A	A				
ASTM — Ref #2 Oil (Medium Aniline) Hydrocarbons	B	A	X	A	A	A	A	A	A	A				
ASTM — Ref #3 Oil (Low Aniline) Hydrocarbons	C	A	X	A	A	A	B	A	A	A				
ASTM — Ref #4 Oil (High Aniline) Hydrocarbons	X	B	X		A	A		A	A	A				

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Aviation Gasoline Hydrocarbons	C	A	X		A	A		A	A	A				
Barbeque Sauce Water, oils, spices	A	A				A			X	A				
Barium Carbonate BaCO <sub>3</sub>	A	A	A		A	A	A	X	B	B	A		A	A
Barium Chloride Dihydrate BaCl <sub>2</sub> · 2H <sub>2</sub> O	A	A	A		A	A		50%B	B	B <sup>212</sup>		A	A	A
Barium Cyanide Ba(CN) <sub>2</sub>	A	C		X	A		A			A	X			A
Barium Hydroxide (Barium Hydrate)														
Ba(OH) <sub>2</sub>	A	A	A	B	A	A	A	X	B	5% A122	A		A	A
Barium Nitrate Ba(NO <sub>3</sub> ) <sub>2</sub>	A	A				A	A	B	A	A	A	B	A	A
Barium Sulfate (Blanc Fixe) BaSO <sub>4</sub>	A	A	A	X	A	A	A	B	B	B	A	B	A	A
Barium Sulfide														
BaS	A	A	A		A	A	A	X		B	A		A	A
Beef Extract	A	A			A	A			X	A				
Beer														
Water, carbonate	A	C	A	B	A	A	A	A	X	A	A <sup>75</sup>	A	A <sup>175</sup>	A
Beet Sugar Liquors (Sucrose)	A	A	A		A	A	A	A	B	A	A	B	A	A
Benzaldehyde C <sub>7</sub> H <sub>6</sub> O	X	X	B	B	X	A	B	A	A	A	X		A	X
Benzene (Benzol) C <sub>6</sub> H <sub>6</sub>	X	X	X	G <sup>70</sup>	B	A	C	B	B	A <sup>167</sup>	X	A	B	A
Benzene Sulfonic Acid C <sub>6</sub> H <sub>4</sub> SO <sub>3</sub> H	A	C	C		A	A		C	A	A	X		B <sup>100</sup>	X
Benzoic Acid														
(Benzene Carboxylic Acid) C <sub>6</sub> H <sub>5</sub> COOH	B	X	B		A	A		B	X	B	X	B	A	X
Benzoyl Chloride C <sub>6</sub> H <sub>5</sub> COCl	X	X	X		B	A		X	A	B			A	
Benzyl Acetate CH <sub>3</sub> CO <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>		X			X	A		A	A	A				
Benzyl Alcohol C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> OH	C	X	C		A	A		A	A	A	A		A	X
Benzyl Benzoate C <sub>6</sub> H <sub>5</sub> CO <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>	X	X	B		A	A	C	A	B	B				
Benzyl Chloride (Chlorotoluene)														
C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> Cl	X	X	X		A	A	C	X	A	B	X	A	A	A
Benzyl Dichloride (Benzal Chloride) C <sub>6</sub> H <sub>5</sub> CHCl <sub>2</sub>		X				A		X	B	A				
Biphenyl (Diphenyl) C <sub>12</sub> H <sub>10</sub>	X	X	X		A	A		A	A					
Bismuth Subcarbonate (Bismuth Carbonate)														
(Bi <sub>2</sub> O <sub>3</sub> ) <sub>3</sub> CO <sub>2</sub>	A	A	A		A	A				10%B				
Black Sulfate Liquor	A	B	A	B	A	A		C	B	A				
Blast Furnace Gas CO, H <sub>2</sub> , CH <sub>4</sub> , CO <sub>2</sub> , N <sub>2</sub>	A	C		B	A	A	A							
Bleach Solutions														
Water, chlorine, oxygen	X	X	A	C	B	A	B	X		B	X			
Borax (Sodium Borate) B <sub>2</sub> O <sub>3</sub> · nH <sub>2</sub> O	A	B	A	A	A	A	A	B	B	A	A	B	A	A
Bordeaux Mixture Copper sulfate salts	A	A	A	B	B	A	A			A				
Boric Acid (Boracic Acid) H <sub>3</sub> BO <sub>3</sub>	A	A	A	A	A	A	A	A	X	30%A	A	C	A	B
Brake Fluid														
(Non-Petroleum Base) Silicones or glycols	A	X	A			A	A	A	A	A	X			B
Brewery Slop	A	A			A	A	A		A	A				
Brine (Sodium Chloride) Salt water	B	A	A	B	A	A			X	A	A		A	
Bromine — Anhydrous Br <sub>2</sub>	X	X	C	X	A	A	C	B	C	X	X		A <sup>150</sup>	
Bromine Trifluoride														
BrF <sub>3</sub>	X	X	X		X	A	C	A		B	X			
Bromine Water	B	X	X		B	A	B	X	X	X	X		A	
Bromobenzene C <sub>6</sub> H <sub>5</sub> Br	X	X	X		B	A	X	X	B	A	X			
Bromochloromethane BrCH <sub>2</sub> Cl	X	X	B		C	A		X	B	B				
Bromotoluene C <sub>6</sub> H <sub>4</sub> BrCH <sub>3</sub>		X			B	A		X	A	A				
Bronzing Liquid	X	X	B		X	A	A			A				
Bunker Oil (Fuel) #5, #6 & C Hydrocarbons	B	A	X		A	A	B	A	A	A				
Butadiene C <sub>4</sub> H <sub>6</sub>	C	X	C		C	A	C	A	A	A	X		A	A
Butane (LPG) (Butyl Hydride) C <sub>4</sub> H <sub>10</sub>	B	A	X	A	A	A	C	A	A	A	X	B	A	A
Butter Fats	C	A	A	B	A	A	B	A	X	A				
Buttermilk														
Fats, water	A	A			A		A	A		A	A		A	B
Butyl Acetate CH <sub>3</sub> CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	X	X	B	C	X	A	B	A	A	A	X	B	A <sup>100</sup>	A
n-Butyl Acetate CH <sub>3</sub> CO <sub>2</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>3</sub>	X	X	X		X	A	A	A	A	A				
Butyl Acetyl Ricinoleate C <sub>24</sub> H <sub>44</sub> O <sub>5</sub>	X	C	C		B	A	B							
Butyl Acrylate CH <sub>2</sub> CHCO <sub>2</sub> C <sub>4</sub> H <sub>9</sub>	X	X	X		X	A	C						C	
Butyl Alcohol (Butanol) CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> OH	A	A	B	B	A	A	A	A	B	A	A		A	
Butyl Amine (Aminobutane) CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> NH <sub>2</sub>	X	B	X		X	A	A	A	A	A	X	C	B <sup>70</sup>	A
Butyl Benzoate C <sub>6</sub> H <sub>5</sub> CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	X		B		A	A	C	B	B	B				
Butyl Bromide CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> Br		X			B	A							A	
Butyl Butyrate														
CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CO <sub>2</sub> C <sub>4</sub> H <sub>9</sub>		X			X	A		A	A	A				
Butyl Carbitol=CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> OCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OH	B	A	A		A	A	B							
Butyl Cellosolve=HOCH <sub>2</sub> CH <sub>2</sub> OC <sub>4</sub> H <sub>9</sub>	C	B			C	A	A						B	
Butyl Chloride (Chlorobutane) CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> Cl		X			A	A		X	B	B	X		A	A
Butyl Ether (Dibutyl Ether) (CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> ) <sub>2</sub> O	B	A			C	A		A	B	A	X		A <sup>100</sup>	A
Butyl Oleate C <sub>22</sub> H <sub>42</sub> O <sub>2</sub>	X		C		A	A	C							
Butyl Stearate CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CO <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	X	A	C		B	A	C	B	B	B			A	
Butylene (Butene) C <sub>4</sub> H <sub>8</sub>	X	B	X		B	A	X	A		A	X		A	B

CHEMICAL	NEOPRENO	BUNA	EPDM	HYTREL	FKM	PTFE	SANTROPRENE	ALUMIN	CAST IRON	STAINLESS	POLLYPRO	ACETAL	PVDF	NYLON
Butyraldehyde CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CHO	X	X	C		X	A	C	A	A	A				
Butyric Acid CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CO <sub>2</sub> H	X	C	C	B	C	A	A	A	X	B	A	X	A	C
Butyronitrile CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CN	X	X	A			A								
Calcium Acetate Hydrate Ca(CH <sub>3</sub> COO) <sub>2</sub> · H <sub>2</sub> O	C	B	A		X	A		C	C	B				
Calcium Bisulfite Ca(HSO <sub>3</sub> ) <sub>2</sub>	A	A	X	X	A	A		X	X	90%A		A	X	A
Calcium Carbonate (Chalk) CaCO <sub>3</sub>	A	A	A		A	A	A	C	B	B	A	A	A	A
Calcium Chlorate Ca(ClO <sub>3</sub> ) <sub>2</sub>	A	A	A		A	A		30%B	B	0%B	A		A	
Calcium Chloride (Brine) CaCl <sub>2</sub> · 6H <sub>2</sub> O	A	A	A	A	A	A	A	A	A	A	A	X	A	B
Calcium Hydrosulfide (Calcium Sulfhydrate) Ca(HS) <sub>2</sub> · 6H <sub>2</sub> O		A			A	A								
Calcium Hydroxide (Slaked Lime) Ca(OH) <sub>2</sub>	A	A	A	B	A	A	A	X	B	50%B	A	X	A	B
Calcium Hypochlorite 20% (Calcium Oxichloride) Ca(ClO) <sub>2</sub>	X	C	B	5%A	B	A	A	X	X	B	A	A	A	A
Calcium Nitrate Ca(NO <sub>3</sub> ) <sub>2</sub>	A	A	A		A	A	A	40%B12*	30%B12*	90%B12*	A	X	A	A
Calcium Oxide (Unslaked Lime) · CaO	A	A	A	B		A		A	A	A				
Calcium Silicate Ca <sub>3</sub> SiO <sub>5</sub>		A			A	A		A	B	A				
Calcium Sulfate (Gypsum) CaSO <sub>4</sub>	A	A	A		A	A		A	C	10%B	A	A	X	A
Calcium Sulfide CaS	B	A	A		A	A	A	20%A	B	B	A120*		A	
Calcium Sulfite CaSO <sub>3</sub> · 2H <sub>2</sub> O		A			A	A		10%B	B	10%A				
Calgon® (NaPO <sub>3</sub> ) <sub>6</sub>	A	A			A		A		X	A	A			
Cane Juice, Sucrose, water	A	A					A	B	A	A	X			
Cane Sugar Liquors Sucrose, water	A	A	A	B	A	A	A	A	A	A	A		A	
Capryl Alcohol (Octanol) CH <sub>3</sub> (CH <sub>2</sub> ) <sub>7</sub> OH	B	A	C		B	A		A	A	A				
Caprylic Acid (Octanoic Acid) CH <sub>3</sub> (CH <sub>2</sub> ) <sub>6</sub> COOH		C				A		A		A			A	
Carbamate H <sub>2</sub> NCO <sub>2</sub> R	C	C	C		A	A	A							
Carbitol® CH <sub>3</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OH	C	B	C		C	A	B	A	A	A				
Carbolic Acid (see Phenol) C <sub>6</sub> H <sub>5</sub> OH	C	X	C		A	A	A	B	A	B	C	X	A150*	X
Carbon Dioxide (Carbonic Acid Gas) CO <sub>2</sub>	A	A	B	A	A	A	A	A	A	A	A	A	A	A
Carbon Disulfide (Carbon Bisulfide) CS <sub>2</sub>	X	X	X	C	A	A	X	A	B	90%A	X	B	A	B
Carbon Monoxide CO	A	C	C	A	C	A	A	A	A	A	A	B	A	A
Carbon Tetrachloride (Tetrachloromethane) CCl <sub>4</sub>	X	C	X	X	A	A	X	X	C	B	X	B	A	B
Carbonated Beverages CO <sub>2</sub> /H <sub>2</sub> O	A	A				A	A	C		A	A		A	
Carbonic Acid (liquid) H <sub>2</sub> CO <sub>3</sub>	A	B		C	A	A	A	A	X	B	A	A	A	A
Casein a phosphoprotein	A	A	A		A	A		B		B				
Castor Oil a mixture of fatty acids	A	A	B	B	A	A	B	A	B	A				
Catsup (Ketchup)	C	A			A	A	A	B	X	A	A			
Cellosolve® (Glycol Ethers) HOCH <sub>2</sub> CH <sub>2</sub> OR	C	C	C	X	B	A	C	A		A	A100*	A	A	A
Cellulose Acetate C <sub>6</sub> H <sub>7</sub> O <sub>2</sub> (C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> O	B	B			C	A		B	B	A				
Cellululose Hydraulic Fluids (Phosphate Esters)	X	X	A	C	B	A	X	A	A	A				
Chlorinated Lime—35% Bleach CA(ClO) <sub>2</sub>	X	C	A	6%A	A	A	X		X	A				
Chlorinated Water	C	C		X	A	A		C		B	B	X	A	B
Chlorine, Dry Cl <sub>2</sub>	C	C		X	A	A	C	X	X		X	X	A	X
Chlorine, Wet Cl <sub>2</sub> /H <sub>2</sub> O	X	C	X	X	A	A	C	B	C	A	X	X	A	X
Chlorine, Anhydrous Liquid Cl <sub>2</sub>	X	X			A	A	X	X	X	X	X		A	
Chlorine Dioxide ClO <sub>2</sub>	X	X	C		B	A	X	B		X	X		A	
Chlorine Trifluoride ClF <sub>3</sub>	X	X	X		B	A	X	A		A	X			X
Chloroacetic Acid (Monochloroacetic Acid) ClCH <sub>2</sub> COOH	C	X	B	X	C	A		X	X	X	A	X	A	X
Chloroacetone (Monochloroacetone) ClCH <sub>2</sub> COCH <sub>3</sub>	C	X	A		C	A	C	X	B	B	X			
Chlorobenzene (Monochlorobenzene) C <sub>6</sub> H <sub>5</sub> Cl	X	X	X	X	A	A	C	X	B	B	X	A	A150*	B
Chlorobutadiene (Chloroprene) C <sub>4</sub> H <sub>5</sub> Cl	X	X	X		A	A	C	X	B	B	X			
Chlorobromomethane ClCH <sub>2</sub> Br	X	X			A	A	X	X	B	B	X			
Chloroform CHCl <sub>3</sub>	X	X	X	X	A	A	X	X	A	A	X	B	A	X
1-Chloronaphthalene C <sub>10</sub> H <sub>7</sub> Cl	X	X	X		C	A	X	X	B	B	X			
Chlorosulfonic Acid HSO <sub>3</sub> CL	X	X	X	X	X	A	A	B	B	B	X	X	X	X

CHEMICAL	NEOPRENO	BUNA	EPDM	HYTREL	FKM	PTFE	SANTROPRENE	ALUMIN	CAST IRON	STAINLESS	POLLYPRO	ACETAL	PVDF	NYLON
o-Chlorophenol C <sub>6</sub> H <sub>4</sub> ClO	X	X	X		B	A		B	B	B		B	A	X
Chlorothene <sup>®</sup> (Chlorinated Solvents)														
CH <sub>2</sub> Cl <sub>2</sub>	X	X			C	A		X	X	A				
Chlorotrifluoroethylene		X				A		B	B	B				
C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>														
Chlorox <sup>®</sup>	B	C			A	A	B		X	A	B			
Chocolate Syrup														
Corn syrup, water, sugar	A	A				A	A		X	A	A			
Chromic Acid — To 10% H <sub>2</sub> CrO <sub>4</sub>	X	X	A	X	A	A	X	10%B	B	X	X	X	A <sub>120</sub> <sup>°</sup>	X
Chromic Acid — 25%-50% H <sub>2</sub> CrO <sub>4</sub>	X	X	C	X	A	A	X	X	B	X	A	X	A <sub>120</sub> <sup>°</sup>	X
Chromic Acid — Over 50% H <sub>2</sub> CrO <sub>4</sub>	X	X	C	X	A	A	X	X	B	X	X	X	A <sub>120</sub> <sup>°</sup>	X
Cider (Apple Juice) Sucrose, water	A	A		B	A	A	A	B	X	A				
Cinnamon Oil														
Cinnamic acid esters							A	C		X	A			
Citric Acid														
C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> + H <sub>2</sub> O	A	B	A	A	A	A	A	B	X	30%A	B	B	A <sub>250</sub> <sup>°</sup>	X
Citric Oils														
Citric acid esters	X	C	B		A	A	C		X	A	A			
Citrus Pectin Liquor	A	A			A	A				A				
Clove Oil (Eugenol) C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	C						C		X	A				
Cobalt Chloride CoCl <sub>2</sub> • 6H <sub>2</sub> O	A	A	C		A	A	A	X			A			
Coconut Oil (Coconut Butter) Fatty acid mixture	B	B	A		A	A	B	B	A	A				
Cod Liver Oil (Fish Oil) Glycerides, acids, esters	B	B	A		A	A	C	A	X	A				
Coffee														
Fatty oils, acids, cellulose, water	A	A				A	A	A		A	A			
Coke Oven Gas H <sub>2</sub> (53%),CH <sub>4</sub> (26%)														
N <sub>2</sub> (11%),CO(7%)&	C	C			A	A	B						A	
hydrocarbons (3%)														
Copper Acetate														
Cu(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> • CuO • 6H <sub>2</sub> O	C	B	A			A	A	X	90%A	10%B			A	
Copper Chloride CuCl <sub>2</sub> • 2H <sub>2</sub> O	A	A	A	A	A	A	A	X	X	X	A		A	
Copper Cyanide CuCN	A	A	A		A	A		X	A	10%A	A		A	A
Copper Fluoroborate		A	B					A	X	X	B			
Copper Nitrate Hexahydrate Cu(NO <sub>3</sub> ) <sub>2</sub> • 6H <sub>2</sub> O	A	A	A		A	A		X	X	A	A	A	A	X
Copper Sulfate (Blue Copperas) CuSO <sub>4</sub> • 5H <sub>2</sub> O	A	A	A	A	A	A		5%A	X	X	10%A	A	A	A
Copper Sulfide														
CuS		A			A	A								
Corn Oil (Maize oil) Glycerides of fatty acids	C	A	C	A	A	A		B	B	C	B	A	A	A
Cotton Seed Oil	A	C	A	A	A	A		A	B	A	C		A	B
Cream		C	A					A	A		X		A	
Creosote, Coal-Tar (Tar Oil) Hydrocarbon mixture	C	A	X	X	A	A		B	B	B	X	X	X	X
Creosote, Wood-Tar Mixture of phenols	B	A	X	X	A	A				B	X	X		X
Cresylic Acid (Cresol) C <sub>8</sub> H <sub>10</sub> O <sub>2</sub>	X	C	X		A	A		B	B	C	A	X	X	A <sub>150</sub> <sup>°</sup>
Crotonaldehyde CH <sub>3</sub> CH=CHCHO	A	X			A	A			A	A	A			
Cumene (Isopropylbenzene) C <sub>9</sub> H <sub>10</sub> (CH <sub>3</sub> )	X	X	X		A	A			B	B	B			
Cutting Oil (Water Soluble)	X	C			A	A			A	A	A			
Cutting Oil (Sulfur Base)	C	A				A			A	A	A			
Cyclohexane C <sub>6</sub> H <sub>12</sub>	X	B	X	A	A	A		C	B	B	B	X	A	A
Cyclohexanol C <sub>6</sub> H <sub>11</sub> OH	A	B	X		A	A		B	C	B	A	B	A	A <sub>150</sub> <sup>°</sup>
Cyclohexanone C <sub>6</sub> H <sub>10</sub> O	X	X	C		X	A		C	B	B	B	X	A	A
Cyclopentane C <sub>5</sub> H <sub>10</sub>	A	B	X		A	A			B	B	B			
Cymene (Isopropyltoluene) C <sub>10</sub> H <sub>14</sub>	X	C	X		A	A								
Decahydronaphthalene (Decalin <sup>m</sup> )														
C <sub>10</sub> H <sub>18</sub>	X	X	X		A	A								
Decanal														
CH <sub>3</sub> (CH <sub>2</sub> ) <sub>9</sub> CHO		X	X		X	A								
Decane														
CH <sub>3</sub> (CH <sub>2</sub> ) <sub>9</sub> CH <sub>3</sub>	X	B	C		A	A		C			A <sub>70</sub> <sup>°</sup>		A	
Decyl Alcohol (Decanol) C <sub>10</sub> H <sub>21</sub> OH	X	A			B	A								
Denatured Alcohol Ethanol and denaturant	B	A	A		B	A	B	B	B	A	A		A	
Detergent Solutions	A	A	A	B	A	A	B	B		A	A		A	A
Developing Fluids & Solutions	A	A	C	X	A	A	A		X	A				
Dextrose														
C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	B	B	A	B <sup>140</sup> <sup>°</sup>	A	A		A	X	A	A		A	
Diacetone Alcohol (Diacetone) (CH <sub>3</sub> ) <sub>2</sub> COCH <sub>2</sub> • COCH <sub>3</sub>	X	X	B	C	X	A	B	A	A	A	X	A	C	A
Dibenzyl Ether (C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> O	X	X	C		C	A	C	B	B	B				C
Dibenzyl Sebecate C <sub>24</sub> H <sub>30</sub> O <sub>4</sub>	X	X	C	A	B	A	C							
Dibutyl Amine (C <sub>4</sub> H <sub>9</sub> ) <sub>2</sub> NH	X	C	X		X	A	B		A	A	X			B <sup>70</sup> <sup>°</sup>
Dibutyl Phthalate (DBP) C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	X	X	A	A	B	A	B	A	A	A	X		X	A
Dibutyl Sebecate (DBS) C <sub>18</sub> H <sub>34</sub> O <sub>4</sub>	X	X	C		C	A	B		A	A	C			
Dichloroacetic Acid Cl <sub>2</sub> CHCOOH	X	X			X	A								
o-Dichlorobenzene C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	X	X	X	X	A	A	X	X	B	B	B			A <sub>150</sub> <sup>°</sup>



CHEMICAL	NEOPRENO	BUNA	EPDM	HYTREL	FKM	PTFE	SANTROPRENE	ALUMIN	CAST IRON	STAINLESS	POLLYPRO	ACETAL	PVDF	NYLON
Ethyl Butyrate														
CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> ·C CO <sub>2</sub> C <sub>2</sub> H <sub>5</sub>	X	X	X		C	A		B	A	A	B			A
<sup>140°</sup>														
Ethyl Caprylate CH <sub>3</sub> (CH <sub>2</sub> ) <sub>6</sub> ·CO <sub>2</sub> C <sub>2</sub> H <sub>5</sub>		X	X	X										
Ethyl Cellosolve C <sub>2</sub> H <sub>4</sub> O(CH <sub>2</sub> ) <sub>2</sub> OH	C	C	B		X	A	B							
Ethyl Cellulose (Ethocel)	B	B	B	B	C	A	A	B	A	B	C			B
Ethyl Chloride (Chloroethane) C <sub>2</sub> H <sub>5</sub> Cl	C	A	A	X	A	A	C	X	B	A	X	A	A	B
Ethyl Chloroacetate (Ethyl Chloroformate)														
CICO <sub>2</sub> C <sub>2</sub> H <sub>5</sub>	C				A	A	A							
Ethyl Cyanide (Propionitrile) C <sub>2</sub> H <sub>5</sub> CN	B	X	A		X	A								
Ethyl Formate HCOOCH <sub>2</sub> CH <sub>3</sub>	B	X	C		A	A	B	B	A	B				
Ethylhexyl Acetate														
CH <sub>3</sub> CO <sub>2</sub> CH <sub>2</sub> ·CH(C <sub>2</sub> H <sub>5</sub> )C <sub>2</sub> H <sub>5</sub>		X			X	A								
Ethylhexyl Alcohol (Ethylhexanol)														
C <sub>6</sub> H <sub>13</sub> OH		A			B	A		A	A	A				
Ethyl Iodide CH <sub>3</sub> CH <sub>2</sub> I														
Ethyl Isobutyrate														
(CH <sub>3</sub> ) <sub>2</sub> CHCOOCH <sub>2</sub> CH <sub>3</sub>	X	X	X			A								
Ethyl Mercaptan (Ethanthiol)														
CH <sub>3</sub> CH <sub>2</sub> SH	C	X	X		B	A	C	B	A	B				
Ethyl Oxalate C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> ·CO <sub>2</sub> C <sub>2</sub> H <sub>5</sub>	X	X	A		B	A	B							
Ethyl Pentachlorobenzene C <sub>6</sub> H <sub>2</sub> Cl <sub>5</sub>	X	X			A	A	X	X			X			
Ethyl Propionate														
CH <sub>3</sub> CH <sub>2</sub> COOCH <sub>2</sub> CH <sub>3</sub>	X	X	X			A		A	A	A				
Ethyl Silicate Si(OCH <sub>2</sub> CH <sub>3</sub> ) <sub>2</sub>	A	A	A		A	A	B	B	A	A				
Ethyl Sulfate C <sub>2</sub> H <sub>5</sub> OSO <sub>3</sub> H		A			A	A	B			X				A
Ethylene (Ethene) C <sub>2</sub> H <sub>4</sub>	A	B	C		A	A	C	A	A	A				
Ethylene Chlorohydrin C <sub>2</sub> H <sub>4</sub> CH <sub>2</sub> OH	B	X	A	X	B	A	C		B	A	X		A <sup>70°</sup>	
Ethylene Diamine (CH <sub>2</sub> ) <sub>2</sub> (NH <sub>2</sub> ) <sub>2</sub>	A	B	A		X	A	A	C	A	A	A	A	B	B
Ethylene Dibromide (Ethylene Bromide)														
Br(CH <sub>2</sub> ) <sub>2</sub> Br	X	X	C		B	A		X	X	B	X		A	
Ethylene Dichloride (Dutch Oil)														
Cl(CH <sub>2</sub> ) <sub>2</sub> Cl	X	X	X	X	B	A	X	X	B	B	X	B	A	B
Ethylene Glycol (Ethylene Alcohol) (Glycol)														
(CH <sub>2</sub> OH) <sub>2</sub>	A	A	A	A	A <sup>70°</sup>	A	A	A	A	A	A <sup>120°</sup>	A	A	B
Ethylene Glycol Monobutyl Ether (Butyl Cellosolve)														
C <sub>4</sub> H <sub>9</sub> OCH <sub>2</sub> CH <sub>2</sub> OH	X	B	B		C	A		A	A	A				
Ethylene Glycol Monoethyl Ether Acetate														
(Cellosolve Acetate)	X	C	B		C	A		A	A	A				
C <sub>2</sub> H <sub>5</sub> O(CH <sub>2</sub> ) <sub>2</sub> ·O·C <sub>2</sub> H <sub>5</sub>														
Ethylene Glycol Dimethyl Ether (Methyl Cellosolve)														
CH <sub>3</sub> O(CH <sub>2</sub> ) <sub>2</sub> OH	C	C	B		X	A		B	B	A				
Ethylene Oxide (CH <sub>2</sub> ) <sub>2</sub> O	X	X	X	A	C	A	A	A	B	A	C		A	A
Ethylene Trichloride (Trichloroethene)														
C <sub>2</sub> HCl <sub>3</sub>	X	X	X		A	A	X	X	A	A	X			
Ethylidene Chloride CH <sub>2</sub> CHCl <sub>2</sub>	X	X	X			A		X	B	A				
Fatty Acids C <sub>n</sub> H <sub>2n+1</sub> COOH	C	B	X	B	A	A	B	90%A	X	A	B	A	A	A
Ferric Chloride FeCl <sub>3</sub>	A	A	A	X	A	A	A	X	X	X	A	A	A	X
Ferric Hydroxide Fe(OH) <sub>3</sub>		B			C	A				A				
Ferric Nitrate Fe(NO <sub>3</sub> ) <sub>3</sub>	A	A	A		A	A	A	X	X	B	A	A	A	X
Ferric Sulfate Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	A	A	A		A	A	A	C	X	B	A	B	A	X
Ferrous Chloride FeCl <sub>2</sub>	A	A	A	X	A	A	A	X	X	30%B	A	B	A	X
Ferrous Sulfate FeSO <sub>4</sub>	A	A	A	A	A	A	A	10%A	C	B	A	B	A	C
Fish Oil		A			A	A	B							
Fluoboric Acid (Fluoroboric Acid)														
HBF <sub>4</sub>	B	A	A	X	C	A	A	X	X	30%A	A		A	X
Fluorine (Liquid) F <sub>2</sub>	C	X	C	X	B	A	X	A		A	X		A <sup>70°</sup>	X
Fluorobenzene FC <sub>6</sub> H <sub>5</sub>	X	X	X		A	A	C				X			
Fluorolube (Fluorocarbon Oils) F <sub>2</sub> C <sub>n</sub> F <sub>2n-2</sub>	A	C	A		B	A	X	A	A	A	X			
Fluosilicic Acid (Sand Acid) H <sub>2</sub> SiF <sub>6</sub>	A	B	B	B	A	A	A	X	X	A <sup>212°</sup>	A		A	X
Formaldehyde (Formalin) HCHO	C	B	A	40%C	A	A	B	A	C	90%A	A	A	A <sup>120°</sup>	C
Formamide HCONH <sub>2</sub>	A	A	A		X	A		A	B	B				
Formic Acid HCOOH	B	C	B	C	C	A	A	X	X	C	A <sup>70°</sup>	X	A	X
Freon 11 (Trichlorofluoromethane)														
CCl <sub>3</sub> F	C	C	X	A	B	A	X	B	A	A	B		A	X
Freon 12														
(Dibromodifluoromethane)														
Cl <sub>2</sub> CF <sub>2</sub>	B	B	B	A	B	A	X	A	A	A			A	
Freon 13 (Chlorotrifluoromethane)														
CFCF <sub>3</sub>	A	A	A	C	A	A	X	A	A	A				

CHEMICAL	NEOPRENO	BUNA	EPDM	HYTREL	FKM	PTFE	SANTROPRENE	ALUMIN	CAST IRON	STAINLESS	POLLYPRO	ACETAL	PVDF	NYLON
Freon 13B1 (Bromotrifluoromethane) BrCF <sub>3</sub>	A	A	A		A	A								
Freon 14 (Tetrafluoromethane) CF <sub>4</sub>	X	X	B			A								
Freon 21 (Dichlorodifluoromethane) FCHCl <sub>2</sub>	B	X	X		X	A	X	A					A	
Freon 22 (Chlorodifluoromethane) HCClF <sub>2</sub>	B	X	C	X	X	A	X	A	A	A			A	
Freon 113 (Trichlorotrifluoroethane) (TF) Cl <sub>3</sub> CCF <sub>3</sub>	A	B	X	A	B	A	X	B		A			A	
Freon 114 (Dichlorotetrafluoroethane) C <sub>2</sub> Cl <sub>2</sub> F <sub>4</sub>	A	A	C	A	A	A	X	B		A			A	
Freon 114B2 (Dibromotetrafluoroethane) C <sub>2</sub> Br <sub>2</sub> F <sub>4</sub>	A	B	X		B	A	X							
Freon 115 (Chloropentafluoroethane) C <sub>2</sub> ClF <sub>5</sub>	A	A	A		B	A	X	A						
Fruit Juices Water, sucrose	A	A	A	B	A	A	A	0%A	X	A	A		A	X
Fuel Oils (ASTM #1 thru #9) Hydrocarbons	C	A	X	B	A	A	C	A	A	A	C	C	A	A
Fumaric Acid (Boletic Acid) HOOCCH = CHCOOH	B	C			A	A	A							
Furan (Furfuran) C <sub>4</sub> H <sub>4</sub> O	X	X	X	X	C	A	C				C		X	
Furfural (Ant Oil) C <sub>5</sub> H <sub>4</sub> O <sub>2</sub>	B	X	B		C	A	C	A	B	20%A	X	B	B120°	A
Furfuryl Alcohol C <sub>5</sub> H <sub>6</sub> O <sub>2</sub>		X	B	B	X	A		A	A	A			B100°	
Fusel Oil (Grain Oil) (CH <sub>3</sub> ) <sub>2</sub> •CHCH <sub>2</sub> CH <sub>2</sub> OH	A	A	A		A	A								
Gallic Acid C <sub>6</sub> H <sub>3</sub> (OH) <sub>3</sub> •C <sub>2</sub> OOH	C	B	B	X	A	A	B	20%A	X	B	A70°		A70°	B
Gasoline (Unleaded) C <sub>10</sub> to C <sub>12</sub> •Hydrocarbons	X	X	X		A	A	C	A	A	A	C	A	A	A
Gasoline (Petrol) Hydrocarbons	C	A	X	A	A	A	C	A	A	A	C	A	A	A
Gelatin	A	A	A	B	B	A	A	A	A	A	A	B	A	A
Water soluble Proteins														
Ginger Oil C <sub>15</sub> H <sub>26</sub> O <sub>4</sub>	A				A	A	C		X	A				
Glauber's Salt (Sodium Sulfate Decahydrate) Na <sub>2</sub> SO <sub>4</sub> •10H <sub>2</sub> O	A	A	B	B	A	A								
Gluconic Acid C <sub>6</sub> H <sub>12</sub> O <sub>7</sub>		C			A	A		B		C	50%A			
Glucose (Corn Syrup) C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	A	A	A	B	A	A	A	A	A	A	A	A	A	A
Glue (PVA)	A	A	B	B	A	A	A	A	A	B	A	B	A	A
Glycerol (Glycerine) C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	A	A	A	A	A	A	A	A	B	A	A	A	A	B
Glycolic Acid HOCH <sub>2</sub> COOH	A	A			A	A	A				A		A	
Glycols	A	A			A	A	A	B	B	B	A	A	A	A
Gold Monocyanide AuCN	A	A			A	A	A			X				
Grape Juice Water, sucrose	X	C			A	A	A		X	A	A		A	
Grapefruit Oil	X	X				A			X	A				
Grease														
Hydrocarbons	X	A		A	A	A	B	A		A				
Green Sulfate Liquor	B	B	A	X	A	A	A	B	C	A	A			
Halowax Oil	X	X	X					X						
Chlorinated naphthalenes					A	A	X							
Heptanal CH <sub>3</sub> (CH <sub>2</sub> ) <sub>5</sub> CHO		A			A			A	A	A	A			
Heptane C <sub>7</sub> H <sub>16</sub>	C	A	X		A	A	C	A	A	A	C140°	A	A	A
Hexanal CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> CHO	A	X	B		C	A		A	B	A				
Hexalin (Cyclohexanol) C <sub>6</sub> H <sub>12</sub> OH	A	B	C		A	A								
n-Hexane C <sub>6</sub> H <sub>14</sub>	B	A	X	A	A	A	A	A	A	A	C140°	C	A	A
n-Hexane 1 (Hexylene) H <sub>2</sub> CCH(CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>	B	A	X		A	A	C							
Hexyl Alcohol (1-Hexanol) C <sub>6</sub> H <sub>13</sub> OH	B	A	C		A	A		A	A	A			A	
Hexylene Glycol (Brake Fluid) C <sub>6</sub> H <sub>14</sub> (OH) <sub>2</sub>	A	A	C		A	A		A	A	A				
Honey	A					A	A	A	A	A	A			
Hydraulic Oil (Petroleum Base) Hydrocarbons	B	A	X	X	A	A	X	A	A	A	X	C		A
Hydrazine (Diamine) H <sub>2</sub> NNH <sub>2</sub>	C	C	A	X	X	A	A	A	X	A	X	B	X	
Hydrobromic Acid HBr	C	X	A		A	A	B	A	A	A	B	X	A	X
Hydrochloric Acid 10% (Muratic) HCl	B	B	A		A	A	A	X	C	X	A	X	A	A
Hydrochloric Acid 20% (Muratic) HCl	B	B	A	C	A	A	A	X	C	X	A	X	A	A
Hydrochloric Acid 30% (Conc.) HCl	C	C	A	X	B	A		X	X	X	B	X	A	X
Hydrocyanic Acid (Formonitrile) HCN	C	B	A	X	A	A	B	10%A	X	A	A	X	A	A
Hydrogen Fluoride — Anhydrous HF	C	X	C		A	A		X		X	A		A	X



CHEMICAL	NEOPRENO	BUNA	EPDM	HYTREL	FKM	PTFE	SANTROPRENE	ALUMIN	CAST IRON	STAINLESS	POLLYPRO	ACETAL	PVDF	NYLON
Hydrofluoric Acid (Conc) Cold														
HF -SEE NOTE BELOW	C		C	X	B	A	X	C	X	X	40%A	X	A	X
Hydrogen Peroxide — 3% H <sub>2</sub> O <sub>2</sub>	B	B	B	X	A	A	A	A			A		A	X
Hydrogen Peroxide — 10% H <sub>2</sub> O <sub>2</sub>	C	C	B	X	A	A		A	B	A	A		A	X
Hydrogen Peroxide — 30% H <sub>2</sub> O <sub>2</sub>	X	C	B	X	A	A		A	X	B	A		A	X
Hydrogen Peroxide — 90% H <sub>2</sub> O <sub>2</sub>	B	X	C	X	A	A		A	X	A				X
Hydrogen Sulfide (Wet)														
H <sub>2</sub> S	C	X	A	A	X	A	A	90%A	X	A <sub>167</sub> *	A	C	A	X
Hydroquinone C <sub>6</sub> H <sub>4</sub> (OH) <sub>2</sub>	X	C			C	A	A	90%A	B	10%A			A	
Hydroxyacetic Acid — 10% HOCH <sub>2</sub> COOH	X	X				A	70%A	B		B				
Hypochlorous Acid HClO	X	X	B		A	A	A	X	X	X	A		A	X
Ink	A			A			C	X	A	A				
Iodine I <sub>2</sub>	B	B	B	B	A	A	A	A	X	X	A			X
Iodoform CHI <sub>3</sub>			A			A	B	A	A	A			A <sub>150</sub> *	
Isoamyl Acetate CH <sub>3</sub> CO <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>	X	X	B		X	A		A	A	A				
Isoamyl Alcohol (CH <sub>2</sub> ) <sub>4</sub> CHCH <sub>2</sub> CH <sub>2</sub> OH	A	A	A		A	A								
Isoamyl Butyrate C <sub>11</sub> H <sub>22</sub> O <sub>2</sub>		X			X	A		A	A	A				
Isoamyl Chloride (CH <sub>2</sub> ) <sub>4</sub> CHCH <sub>2</sub> CH <sub>2</sub> Cl	X	X	X		A	A		X						
Isobutyl Acetate CH <sub>3</sub> CO <sub>2</sub> CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	X	X	C		X	A		A	A	A				
Isobutyl Alcohol (Isobutanol) (CH <sub>2</sub> ) <sub>3</sub> CHCH <sub>2</sub> OH	B	B	A		A	A		A			A	A	A	A
Isobutyl Amine (CH <sub>2</sub> ) <sub>3</sub> CHCH <sub>2</sub> NH <sub>2</sub>		X			X	A								
Isobutyl Chloride (CH <sub>2</sub> ) <sub>3</sub> CHCH <sub>2</sub> Cl		X			B	A		X	B	B				
Isobutyric Acid (CH <sub>3</sub> ) <sub>2</sub> CHCOOH	B	X	A			A		A						
Isododecane (CH <sub>2</sub> ) <sub>11</sub> CH <sub>3</sub>	A	B	X		A	A		B	B	B				
Isooctane (Trimethylpentane) C <sub>8</sub> H <sub>18</sub>	B	A	X	A	A	A	C	A	A	A	A		A	A
Isopentane (CH <sub>2</sub> ) <sub>4</sub> CHCH <sub>2</sub> CH <sub>3</sub>		A			A	A								
Isophorone C <sub>9</sub> H <sub>16</sub> O	X	X	C		X	A	B	A	A	A				
Isopropyl Acetate CH <sub>3</sub> COOCH <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub>	X	X	B		X	A	B	A	A	A	B			A
Isopropyl Alcohol (Isopropanol) CH <sub>3</sub> CH(OH)CH <sub>3</sub>	A	B	B	A	A	A		90%A	A	A	A	A	A	X
Isopropyl Amine C <sub>3</sub> H <sub>7</sub> NH <sub>2</sub>		X			X	A			A	A				
Isopropyl Chloride (CH <sub>3</sub> ) <sub>2</sub> CHCl	X	X	X		B	A	C	X	A	A	X			
Isopropyl Ether (CH <sub>3</sub> ) <sub>2</sub> CHOCH <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub>	C	C	X		C	A	C	B		A	X		A <sub>170</sub> *	A
Jet Fuels (JP1 to JP6) (ASTM-A, A1 & B)	C	A	X	A	A	A	C	A	A	A	X	A	A	A
Kerosine (Kerosene) Hydrocarbons	C	A	X	A	A	A	C	A	A	A	X	A	A	A
Lacquers	X	X	X	X	X	A	C	A	B	A		B		A
Lacquer Solvents	X	X	X	C	X	A	C	A	B	A	C	B	X	B
Lactic Acid CH <sub>3</sub> CHOH • COOH	B	B	A	X	A	A	A	A	X	70%A	A	C	A	X
Lactol														
(Aliphatic Naptha Solvent) CH <sub>3</sub> CHOH • CO <sub>2</sub> C <sub>10</sub> H <sub>21</sub>	X	C			A	A		A	A	A				
Lard (Lard Oil) Olein, stearin	C	A	X	B	A	A	B	A	A	B	A	B	A	A
Latex	A	A				A		A		A	A	C		A
Rubber emulsion														
Lauryl Alcohol (n-Dodecanol) CH <sub>2</sub> (CH <sub>2</sub> ) <sub>10</sub> CH <sub>2</sub> OH		A			B		A	A	A	A				
Lavender Oil Ester mixture	X	B	X		B	A	B							
Lead Acetate (Sugar of Lead) Pb(CH <sub>3</sub> CO <sub>2</sub> ) <sub>2</sub>	A	B	A		X	A	A	X		B	A	A	A	B
Lead Chloride PbCl <sub>2</sub>	B					A		X		B	A		A	
Lead Nitrate Pb(NO <sub>3</sub> ) <sub>2</sub>	A	B	A		A	A		X	B	B	A		A	
Lead Sulfamate		A	B					A				A		
Lemon Oil (Cedro Oil) Hydrocarbons		C						C	A					
Ligroin (Ligroine) (Benzene) Petroleum fraction	B	A	X		A	A	B		A	A	X			
Lignin Liquor														
Blend of natural aromatic oils	A	A			A	A				A				
Lime, Soda (Slaked Lime & Soda Ash) CaO	B	B	A		B	A	A							
Lime Bleach	C	A	A		A	A	A	X			B			
Lime Sturries	A	B		C	B	A		B		B				
Lime Sulfur CaS+CaSO <sub>4</sub>	A	A	A		A	A	B	X		A	A			B
Limonene C <sub>10</sub> H <sub>16</sub>	X	C	X		A	A								
Linoleic Acid C <sub>18</sub> H <sub>32</sub> O <sub>2</sub>	X	B	X		B	A	B	A		A	A		A	
Linseed Oil (Flaxseed Oil) Glycerides	A	A	C	B	A	A	B	A	A	A	A	A	A	A
Lindol (Tritolyl Phosphate) C <sub>21</sub> H <sub>42</sub> O <sub>4</sub> P	C	X			B	A	A							
Lithium Bromide LiBrH <sub>2</sub> O	X	A			A	A			A				A	
Lubricating Oils (Petroleum) Hydrocarbons	B <sub>150</sub> *	A	X	A	A	A	X	A	A	A	C	A	A	A
Lye (Potassium Hydroxide) KOH	B	C		C	B	A	A			A	A	X	A <sub>150</sub> *	C
Magnesium Carbonate MgCO <sub>3</sub>	A	A	C	A	A	A	A	A	B	B	A	A	A	A
Magnesium Chloride MgCl <sub>2</sub> O	A	A	A	A	A	A	A	20%A	30%B	50%B	A	B	A	A

CHEMICAL	NEOPRENO	BUNA	EPDM	HYTREL	FKM	PTFE	SANTROPRENE	ALUMIN	CAST IRON	STAINLESS	POLLYPRO	ACETAL	PVDF	NYLON
Magnesium Hydroxide (Milk of Magnesia) Mg(OH) <sub>2</sub>	B	B	A	C	A	A	A	10%A	A	A	A	A	A	B
Magnesium Nitrate Mg(NO <sub>3</sub> ) <sub>2</sub> • 6H <sub>2</sub> O	A	A	A		A	A	A	50%B	B	A	A		A	A
Magnesium Oxide MgO	A	A			B	A	A	10%A	A	A				
Magnesium Sulfate (Epsom Salts) MgSO <sub>4</sub> • 7H <sub>2</sub> O	A	A	A	B	A	A	A	70%A	A	50%A	A	A	A	A
Maleic Acid (CHCOOH) <sub>2</sub>	A	X	X		A	A	A	20%A	60%B	B	A		A	X
Maleic Anhydride C <sub>4</sub> H <sub>2</sub> O <sub>3</sub>			X		A	A	A	20%A	B	A				
Malic Acid (Apple Acid) C <sub>4</sub> H <sub>5</sub> O <sub>5</sub>	C	B	X		A	A	A	B		A				
Maple Sugar Liquors (Sucrose) Water, sucrose	A	A	A		A	A				A				
Mayonnaise Water, fats, oils	A	A				A	A	X	X	A	A			
Mercuric Chloride HgCl <sub>2</sub>	B	A	A		A	A	A	X	X	X	A	B	A	X
Mercuric Cyanide Hg(CN) <sub>2</sub>	B	B	A		A	A	A	X	B	B	A		A	
Mercurous Nitrate Hg(NO <sub>3</sub> ) <sub>2</sub> • 2H <sub>2</sub> O	B	B	A		A	A		X	B	B <sup>212</sup>	A		A	
Mercury Hg	A	A	A	A	A	A	A	X	A	A	A	C	A	A
Mesityl Oxide (CH <sub>3</sub> ) <sub>2</sub> C = CHCOCH <sub>3</sub>	X	X	B		X	A	C	A	A	A				
Methane CH <sub>4</sub>	B	A	X	B	A	A	C	A	A	A	B	A	A	A
Methyl Acetate CH <sub>3</sub> CO <sub>2</sub> CH <sub>3</sub>	C	X	C	C	X	A	B	A	A	A	C	B		A
Methyl Acetoacetate CH <sub>3</sub> COCH <sub>2</sub> • COOCH <sub>3</sub>		X			X	A				A	A			
Methyl Acrylate CH <sub>2</sub> CHCO <sub>2</sub> CH <sub>3</sub>	C		C		X	A	B		A	A			A <sup>70</sup>	
Methyl Acrylic Acid (Crotonic Acid) CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> COOH	C		C		X	A								
Methyl Alcohol (Methanol) CH <sub>3</sub> OH	A	A	A	A	B	A	A	B	A	A	A	A	A	X
Methyl Amine (Monomethylamine) CH <sub>3</sub> NH <sub>2</sub>	A	B	A		90%A	A		B	B	A	X		C	
Methyl Amyl Acetate C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>		A			X	A		A	A	A				
Methyl Amyl Alcohol C <sub>8</sub> H <sub>18</sub> OH		A			X	A		A	A	A				
Methyl Aniline C <sub>7</sub> H <sub>7</sub> NH(CH <sub>3</sub> )	A	A	A			A								
Methyl Bromide (Bromo Methane) CH <sub>3</sub> Br	X	C	A	X	A	A	X	X	A	A			A	X
Methyl Butyl Ketone (2-hexanone) CH <sub>3</sub> COC <sub>4</sub> H <sub>9</sub>	X	X	B		X	A	C			A	X			
Methyl Butyrate CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> • CO <sub>2</sub> CH <sub>3</sub>	X	X	X			A		A	A	A				
Methyl Cellosolve CH <sub>3</sub> OCH <sub>2</sub> • CH <sub>2</sub> OH	X	X			X	A	B	A			A		A	A
Methyl Chloride CH <sub>3</sub> Cl	X	X	C	X	B	A	X	X	A	A	X	B	A	B
Methyl Cyclopentane C <sub>5</sub> H <sub>10</sub>	X	B	X		A	A	C			A				
Methyl Dichloride CH <sub>2</sub> Cl <sub>2</sub>	X	X			A		X	X			X			
Methyl Ethyl Ketone (Butanone) CH <sub>3</sub> CO • CH <sub>2</sub> CH <sub>3</sub>	X	X	A	C	X	A	B	A	A	A	X	B	X	A
Methyl Formate HCOOCH <sub>3</sub>	B	X	C		X	A	B	A	A	A				
Methyl Hexane C <sub>7</sub> H <sub>16</sub>	A	A	X		A	A								
Methyl Iodide CH <sub>3</sub> I	X	X	A			A		X	A	A				
Methyl Isobutyl Ketone (Hexone) CH <sub>3</sub> COCH <sub>2</sub> CH <sub>2</sub> • (CH <sub>2</sub> ) <sub>2</sub>	X	X	C	X	X	A	C	A	B	B	C <sup>70</sup>	A	A <sup>70</sup>	X
Methyl Isopropyl Ketone CH <sub>3</sub> COCH <sub>2</sub> (CH <sub>2</sub> ) <sub>2</sub>	X	X	C	X	X	A	C			A	C		A <sup>70</sup>	
Methyl Methacrylate CH <sub>2</sub> C(CH <sub>3</sub> ) • CO <sub>2</sub> CH <sub>3</sub>	X	X	X		C	A	B	B		A			A <sup>70</sup>	
Methyl Oleate C <sub>19</sub> H <sub>36</sub> O <sub>2</sub>	X	X	C		B	A	C							
Methyl Propyl Ketone CH <sub>3</sub> CH <sub>2</sub> • CH <sub>2</sub> COCH <sub>2</sub>	X	X	B		X	A								
Methyl Salicylate (Betula Oil) HOC <sub>6</sub> H <sub>4</sub> • COOCH <sub>3</sub>	X	X	C		B	A	B	A	A					
Methylacrylic Acid CH <sub>2</sub> CHCHCO <sub>2</sub> H	B				B	A	A							
Methylamine CH <sub>3</sub> NH <sub>2</sub>	A	B	A		90%A	A	A	B	B	A	A			
Methylene Bromide CH <sub>2</sub> Br <sub>2</sub>	X	X			B	A		X	A	A			A	
Methylene Chloride CH <sub>2</sub> Cl <sub>2</sub>	X	X	X	X	B	A	X	X	B	90%A	X		B <sup>100</sup>	A
Milk	A	B	A	B	A	A	A	A	X	A	A	A	A	A
Mine Water		A				A		B		B				
Mineral Oil (Petroleum) Hydrocarbons	B	A	X	A	A	A	C	A	A	A	B	A	A	A
Mixed Acids (Sulfuric & Nitric) H <sub>2</sub> SO <sub>4</sub> , HNO <sub>3</sub>	X	X	B		A	A		X	X	B	X		A	C
Molasses	A	A	A	B	A	A	A	A	A	A	A	B	A	A
Monochlorobenzene C <sub>6</sub> H <sub>5</sub> Cl	X	X		C	A	A	C	X	A	A	X	A	A <sup>100</sup>	B
N-Methyl Aniline C <sub>7</sub> H <sub>9</sub> NHCH <sub>3</sub>	X	X			C	A					C			
Monoethanolamine NH <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH	C	B			C	A	A	B	A	A	X	X	X	A
Mustard	A	C		B	X	A	A	B	X	A	A	A		A
Naphtha (Petroleum Spirits) (Thinner) Petroleum fractions	X	A	X	A	A	A	C	A	B	A	X	A	A	A
Naphtha Coal Tar (Benzol) Hydrocarbons	X	X	X		A	A		A	B	A				
Naphthalene (Tar Camphor) C <sub>10</sub> H <sub>8</sub>	X	X	X	C	A	A	C	B	A	A	A	A	A	A
Naphthoic Acid C <sub>11</sub> H <sub>8</sub> O <sub>2</sub>		B	X		A	A		B	B	A				
Neatsfoot Oil		A	C		A	A	B			A				

CHEMICAL	NEOPRENO	BUNA	EPDM	HYTREL	FKM	PTFE	SANTROPRENE	ALUMIN	CAST IRON	STAINLESS	POLLYPRO	ACETAL	PVDF	NYLON
Neohexane (2,2-dimethylbutane) C <sub>8</sub> H <sub>14</sub>		A			A	A								
Neosol	A	A	B		C	A		B	B	A				
Neville Acid	C	C	C		B	A	A							
Nickel Acetate Ni(CH <sub>3</sub> CO <sub>2</sub> ) <sub>2</sub>	B	B	A		X	A	A	10%B		A	A		A	
Nickel Chloride NiCl <sub>2</sub>	A	A	A	X	A	A	A	X	X	B	A	B	A	B
Nickel Nitrate Ni(NO <sub>3</sub> ) <sub>2</sub> · 6H <sub>2</sub> O	A	A	A		A	A		X		A	A		A	A
Nickel Sulfate NiSO <sub>4</sub>	A	A	A		A	A	A	X	X	40%A	A	A	A	B
Nitrana (Ammonia Fertilizer)	B	B			C	A				A				
Nitric Acid — 10% HNO <sub>3</sub>	B	X	B	C	A	A	A	A	X	A	A		A	X
Nitric Acid — 25% HNO <sub>3</sub>	C	X	B	X	A	A	20%B	X	X	30%A	A		A	X
Nitric Acid — 35% HNO <sub>3</sub>	X	X	C	X	A	A		X	X	50%A	B		A	X
Nitric Acid — 50% HNO <sub>3</sub>	X	X	X	X	A	A	C	X	X	A	C		A	X
Nitric Acid — 70% HNO <sub>3</sub>	X	X	X	X	A	A			X	A			A	X
Nitric Acid (Conc.) HNO <sub>3</sub>	X	X	X	X	B	A	C	A	X	A	X		A <sup>120°</sup>	X
Nitric Acid (Red Fuming)	X	X	X	X	B	A	X	A	X	A	X		C	
Nitrobenzene C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	X	X	X	X	B	A	B	A	A	A	B	B	A <sup>70°</sup>	B
Nitroethane C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	C	X	C		X	A	A	A	A	A	C		A <sup>70°</sup>	
Nitrogen Tetroxide N <sub>2</sub> O <sub>4</sub>	X	X	X	50%B	C	A		A	B	A	X		C	
Nitromethane CH <sub>3</sub> NO <sub>2</sub>	C	X	C	X	X	A	A	A	A	A	C	A <sup>120°</sup>	B	A
1-Nitropentane CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> NO <sub>2</sub>	C	X	A		X	A		A	A	A				
Octadecane CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub>	B	A	X		A	A	B							
n-Octane C <sub>8</sub> H <sub>18</sub>		A	X		A	A	B				X		A	A
Octyl Acetate CH <sub>3</sub> COO · (CH <sub>2</sub> ) <sub>7</sub> CH <sub>3</sub>		X			X	A		A		A				
Oleic Acid (Red Oil) C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>	X	C	C	A	B	A		A	C	B	B	B	A	B
Octachlorotoluene C <sub>7</sub> Cl <sub>8</sub>	X	X			A	A		X			X			
Oleum (Fuming Sulfuric Acid) H <sub>2</sub> SO <sub>4</sub> /SO <sub>3</sub>				20-25%										
Olein (Triolein) C <sub>57</sub> H <sub>104</sub> O <sub>6</sub>	C	B		X	A	A	X	X	X	A	X		X	
o-Dichlorobenzene C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	X	X			A	A	X	X	A	A	X			
Olive Oil														
Mixed glycerides of acids	C	A	C		A	A	B	A	A	A	A	A	A	A
Oxalic Acid (COOH) <sub>2</sub>	B	C	A	X	C	A	A	B	X	90%B	A	X	A <sup>120°</sup>	B
Ozone O <sub>3</sub>	B	X	A	C	A	A	A	10%A	0%A	A	X	C	A	X
Paints & Solvents	X	X				A		X		A				
Paint Thinner, DUCO Hydrocarbons	C	A	X		B	A	C	X		A	X			
Palm Oil														
Mixture of terpenes	C	A			A	A	B		A	A				
Palmitic Acid CH <sub>3</sub> (CH <sub>2</sub> ) <sub>14</sub> COOH	C	B	B	A	B	A	B	B	B	A	A		A	C
Paraffins (Paraffin Oil)														
Hydrocarbons		A				A	A	A		A	A	A		A
Paraformaldehyde (CH <sub>2</sub> O) <sub>n</sub>	B	B			C	A		10%A	A	A				
Paraldehyde C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	B	C	A		X	A		A	A	A				
Peanut Oil														
Glycerides of fatty acids	B	A	X		A	A	B		A	A	A <sup>70°</sup>		A	
Pentachloroethane (Pentalin) Cl <sub>2</sub> · CHCl <sub>3</sub>	X	X			A	A		X	A	A				
Pentachlorophenol (PCP) C <sub>5</sub> Cl <sub>5</sub> OH	X	X	X		A	A		A	A	A				
Pentane (Amyl Hydride) C <sub>5</sub> H <sub>12</sub>	B	A	X	B	A	A	A	A	B	B				A
Peppermint Oil	X	X			A	A	C			A				
Perchloric Acid HClO <sub>4</sub>	B	X	B	X	A	70%A	C	X	X	B		C	A	X
Perchloroethylene (Tetrachloroethylene) C <sub>2</sub> Cl <sub>4</sub>														
Petroleum (Crude Oil) (Sour) Hydrocarbons	X	X	X	X	A	A	X	X	B	90%A	X	A	A	C
Phenethyl Alcohol (Benzyl Carbinol) C <sub>8</sub> H <sub>9</sub> (CH <sub>2</sub> ) <sub>2</sub> OH	C	B	X	C	A	A		B	B	A	X	A	A	A
Phenol (Carbolic Acid) C <sub>6</sub> H <sub>5</sub> OH	X	X	B		X	A		A	A	A				
Phenyl Sulfonic Acid C <sub>6</sub> H <sub>5</sub> (OH)SO <sub>3</sub> H	C	X		X	A	A	A	B	B	B				
Phenyl Acetate CH <sub>3</sub> COOC <sub>6</sub> H <sub>5</sub>	X	X	B		X	A								
Phenylbenzene C <sub>6</sub> H <sub>5</sub> <sub>2</sub>	X	X			A	A	C							
Phenyl Ethyl Ether (Phenetole) C <sub>6</sub> H <sub>5</sub> OC <sub>2</sub> H <sub>5</sub>														
Phenyl Hydrazine C <sub>6</sub> H <sub>5</sub> NHNH <sub>2</sub>	X	X	X		C	A	C							
Phorone (Diisopropylidene Acetone) C <sub>6</sub> H <sub>10</sub> O	X	X	C		A	A	B							
Phosphoric Acid — 10% H <sub>3</sub> PO <sub>4</sub>	B	A	A		A	A	A	X	X	A	A <sup>120°</sup>		A	X
Phosphoric Acid — 20% H <sub>3</sub> PO <sub>4</sub>	B	C	A		A	A	A	X	X	A <sup>120°</sup>	A <sup>120°</sup>		A	X
Phosphoric Acid — 50% H <sub>3</sub> PO <sub>4</sub>	B	X	B		A	A	45%B	X	X	A	A <sup>120°</sup>		A	X
Phosphoric Acid (Conc.) H <sub>3</sub> PO <sub>4</sub>	B	X	B	X	A	A		X	X	A <sup>120°</sup>	A <sup>120°</sup>		A	X
Phosphorus Oxychloride POCl <sub>3</sub>	X					A		B	B	B				

CHEMICAL	NEOPRENO	BUNA	EPDM	HYTREL	FKM	PTFE	SANTROPRENE	ALUMIN	CAST IRON	STAINLESS	POLLYPRO	ACETAL	PVDF	NYLON
Phosphorus Trichloride PCl <sub>3</sub>	X	X	A		A	A	B	C	B	A	X		A	
Photographic Developer	A	A		X	A		A	C	X	A	A	C	A	B
Pickling Solution	X		X		B	A	A							
Picric Acid (Carbazotic Acid) (NO <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>3</sub> OH	B	B	B	X	A	A	B	A	C	A	B		A	X
Pine Oil (Yarumor)														
Cyclic terpene alcohols	X	B	X		A	A	C	A	B	A				
Pinene														
C <sub>10</sub> H <sub>16</sub>	X	B	X		A	A	C							
Piperidine C <sub>5</sub> H <sub>11</sub> N	X	X	X		X	A	B							
Plating Solution — Cadmium		B	B					A				X		B
Plating Solution — Chrome	X	X	C		A	A	A				A131*	X		B
Plating Solution — Lead	B	B			A	A	A					A		B
Plating Solution — Others	C	A	A		B	A	A			A				
Polyvinyl Acetate Emulsion PVAc + H <sub>2</sub> O	C		A			A	A		B				A	
Potassium Acetate CH <sub>3</sub> CO <sub>2</sub> K	B	B	A		X	A	A	10%B	A	B	A		A	
Potassium Bicarbonate KHCO <sub>3</sub>	A	A			A	A	A	B	50%B	30%A	A		A	A
Potassium Bisulfate KHSO <sub>4</sub>	A	A			A	A	A	10%A	X	10%A	A		A	
Potassium Bisulfite KHSO <sub>3</sub>	A	A			A	A	A	10%B		10%B				
Potassium Bromide KBr	A	A	A		A	A	A	A	80%B212*	80%B212*	A		A	A
Potassium Carbonate (Potash) K <sub>2</sub> CO <sub>3</sub>	A	A	A		A	A	A	X	B	B	A	B	A	C
Potassium Chlorate KClO <sub>3</sub>	A	A	A		A	A	A	X	B	60%A	A	B	A	B
Potassium Chloride KCl	A	A	A		A	A	A	X	B	A	A	B	A	B
Potassium Chromate K <sub>2</sub> CrO <sub>4</sub>	A	A			50%A	A	A	A	A	A	A		A	A
Potassium Copper Cyanide K <sub>2</sub> [Cu(CN) <sub>4</sub> ]	A	A	A		A	A					A		A	
Potassium Cyanide KCN	A	A	A		A	A	A	C	B	90%B212*	A	C	A	A
Potassium Dichromate K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	A	A	A		A	A	A	A	A	A	A	C	A	X
Potassium Hydroxide (Caustic Potash) (Lye) KOH	B	B	A	C	B	A	A	X	B	A	A	C	A150*	B
Potassium Iodide KI	A	A	A		A	A		10%B		B	A		A	
Potassium Nitrate (Saltpeter) KNO <sub>3</sub>	A	A	A		A	A	A	80%A	B	80%B212*	A	B	A	B
Potassium Nitrite KNO <sub>2</sub>	A	A	A	B	A	A		B	B	B				
Potassium Permanganate (Purple Salt) KMnO <sub>4</sub>	C	C	A	X	B	A	A	10%A	B	30%B212*	B	A	A	X
Potassium Phosphate KH <sub>2</sub> PO <sub>4</sub>	A	A	A		A	A		X	X	30%B				
Potassium Silicate K <sub>2</sub> Si <sub>2</sub> O <sub>7</sub>	A	A	A		A	A		B	B	B				
Potassium Sulfate K <sub>2</sub> SO <sub>4</sub>	A	A	A	B	A	A	A	B	B	A	A	B	A	B
Potassium Sulfide K <sub>2</sub> S	A	A	A		A	A		X	B	B	A		A	A
Potassium Sulfite K <sub>2</sub> SO <sub>3</sub> ·2H <sub>2</sub> O	A	A	A		A	A		A	X	50%B	A		A	
Propane (LPG) C <sub>3</sub> H <sub>8</sub>	B	A	X	B	A	A	C	A	A	A	X	A	A	C
Propionaldehyde (Propanal) C <sub>3</sub> H <sub>7</sub> CHO		X			X	A		A	A	A				
Propionic Acid (Methylacetic Acid) CH <sub>3</sub> CH <sub>2</sub> CO <sub>2</sub> H	X	X	A		X	A		A	X	B				
n-Propyl Acetate CH <sub>3</sub> COO·(CH <sub>2</sub> ) <sub>2</sub> CH <sub>3</sub>	X	X	A		X	A	B	A		A	C		A	
Propyl Alcohol (1-Propanol) CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> OH	B	B	A		A	A		A	A	A	A	A	A	X
n-Propyl Nitrate (NPN) CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> NO <sub>2</sub>		A	B		C	A	B	A	X					
Propylene C <sub>3</sub> H <sub>6</sub>	X	X	X		A	A	B	A	A	A				
Propylene Dichloride CH <sub>2</sub> CH(Cl)CH <sub>2</sub> Cl	X	X	X		B	A		X	A	A				
Propylene Glycol (Methyl Glycol) C <sub>3</sub> H <sub>8</sub> (OH) <sub>2</sub>	C	A	A		A	A	A	A	A	A	A	A	A	B
Propylene Oxide C <sub>3</sub> H <sub>6</sub> O	X		C		X	A	A	B	B	A	X		X	
Pydraul (Phosphate Eser Base Fluid)	X	X	B	A	A	A	A		A	A				C
Pyranol	X	A			A	A								
Pyridine N(CH <sub>2</sub> ) <sub>2</sub> CH	X	X	C	X	X	A	A	A	B	A	C	A	X	X
Pyroligneous Acid (Wood Vinegar)	C	C	C		A	A		B	X	10%A	A	X	A	X
Pyrrole (Azole) C <sub>4</sub> H <sub>4</sub> N	X	X	X		C	A	C							
Quaternary Ammonium Salts NH <sub>4</sub> (X)	A	A			A	A			X	A				
Quench Oil	B	B			A	A		A		A				
Rape-Seed Oil (Colza Oil)	C	B	A		A	A	B		A	A				
Rose Oil					A	A	A			A				
Geraniol, citronellol														
Rosin C <sub>20</sub> H <sub>30</sub> O <sub>2</sub>	C	A					A	A		A	A	B		A
Rosin Oil (Rosinol) Rotenone C <sub>23</sub> H <sub>32</sub> O <sub>6</sub>	A	A			A	A								
Rubber Latex Emulsions (C,H,)/H <sub>2</sub> O	A	A	A		A	A		A		A				
Rubber Solvents (Petroleum Distillate)														
Hydrocarbons	C	X			X	A		A		A				

CHEMICAL	NEOPRENO	BUNA	EPDM	HYTREL	FKM	PTFE	SANTROPRENE	ALUMIN	CAST IRON	STAINLESS	POLLYPRO	ACETAL	PVDF	NYLON
Rum														
Alcoholic liquor from molasses	A	A	A		B	A	A			A				
Rust Inhibitors	C	A			A		B			A	A			
Salad Dressing Fats, oils, water		A			A		A	B	X	A	A			
Sal Ammoniac (Ammonium Chloride)														
NH <sub>4</sub> Cl	A	A	A	A	A	A	A	X	X	B	A	X	A	B
Sal Soda														
(Sodium Carbonate) Na <sub>2</sub> CO <sub>3</sub>	A	A	A		A	A		X	A	A				
Salicylic Acid														
HOC <sub>6</sub> H <sub>4</sub> COOH	B	B	A		B	A		A	X	B	A		A	A
Salt Water (Brine) NaCl/H <sub>2</sub> O	B	A	A	A	A	A	A	B	X	A	A		A	
Sea Water (Brine)	B	A	A	X	A	A	A	A	C	A	A	A	A	A
Sesame Seed Oil														
Olein, stearin, palmitin	C	A			A	A	B		A	A				
Sewage	B	A	C	B	A	A	A	B	B	A	A		A	
Silicate Esters Si(OR) <sub>4</sub>	A	B	X	C	A	A	B							
Silicone Oils (Versilube Etc.) (CH <sub>3</sub> ) <sub>2</sub> SiO <sub>2</sub>	C	A	A	A	A	A	C	B	B	A	A		A	A
Silver Cyanide AgCN	A					A		X	A	A	A		A	
Silver Nitrate AgNO <sub>3</sub>	A	B	A		A	A	A	X	X	60%A	A	A	A	A
Skydrol Hydraulic Fluid (Phosphate Ester Base)	X	X	A	A	C	A	B			A				C
Soap Solutions														
Salt of fatty acid in H <sub>2</sub> O	B	A	A	A	A	A	A	C	X	A	A	A	A	A
Soda Ash (Sodium Carbonate) Na <sub>2</sub> CO <sub>3</sub>	A	A	A	B	A	A	A	X	A	A				
Sodium Acetate CH <sub>3</sub> COONa	C	C	A		X	A	A	A	A	A	A	A	A	B
Sodium Aluminate Na <sub>2</sub> Al <sub>2</sub> O <sub>7</sub>	A	A			A	A	A		50%A	50%A	A		A	A
Sodium Bicarbonate (Baking Soda)														
NaHCO <sub>3</sub>	A	A	A	B	A	A	A	B	C	20%A	A	X	A	B
Sodium Bisulfite (Niter Cake)	A	A	A	B	A	A	A	50%B	C	50%B	A	C	A	B
NaHSO <sub>3</sub>														
Sodium Bisulfite (Cream of Tartar) NaHSO <sub>4</sub>	A	C	A	B	A	A	A	B	20%B	50%A	A	X	A	X
Sodium Borate Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub>	A	A	A	B	A	A	A	B		A	A <sup>140*</sup>	C	A	A
Sodium Bromide NaBr						A		C	C	30%B	A		A	A
Sodium Chlorate NaClO <sub>3</sub>	B	A	A		A	A	A	70%gr/12	B	B	A	B	A	B
Sodium Chloride (Table Salt) NaCl	A	A	A	A	A	A	A	B	30%B	A	A	A	A	A
Sodium Chromate Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	A	A		A	A	A	80%gr/12	60%A	60%A	60%A			A	A
Sodium Cyanide NaCN	A	A	A	A	A	A	A	X	A	A	A	C	A	B
Sodium Dichromate (Sodium Bichromate) Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> • 2H <sub>2</sub> O	B		A	20%K	A	A					A		A	X
Sodium Fluoride NaF	A	A	A		A	A		30%B		10%B	A		A	A
Sodium Hexametaphosphate (Calgon)														
(NaPO <sub>3</sub> ) <sub>6</sub>	B	B	B		A	A		C	B	B				
Sodium Hydroxide (Caustic Soda) (Lye)														
NaOH	B	B	A	X	X	A	50%A	X	50%B	50%A	A	X	A	C
Sodium Hypochlorite NaClO	B	X	C	5%A	B	A	20%A	X	X	X	X	X	A	C
Sodium Metaphosphate (Kurrul's Salt)														
Na(PO <sub>3</sub> ) <sub>6</sub> H	C	B	A		A	A	A	X		B	X	B		A
Sodium Metasilicate Na <sub>2</sub> SiO <sub>3</sub>	A	A			A		A	B		A	A	B	A	
Sodium Nitrate (Chile Salt-peter) NaNO <sub>3</sub>	B	C	A	B	A	A	A	90%A	90%A	90%A	A	A	A	B
Sodium Nitrite NaNO <sub>2</sub>	X	A			A	A		A	A		A		A	
Sodium Perborate NaBO <sub>3</sub>	B	C	A	B	A	A	A	X	10%B	A	A	B	A	B
Sodium Peroxide														
(Sodium Dioxide)														
Na <sub>2</sub> O <sub>2</sub>	B	B	B	B	A	A	B	10%B	90%A	10%B	B	X	A	X
Sodium Phosphate														
(Tribasic) (TSP)														
Na <sub>2</sub> PO <sub>4</sub>	B	B	A	B	A	A	A	X	gr167*	B	A		A	B
Sodium Silicates (Water Glass) Na <sub>2</sub> O • SiO <sub>2</sub>	A	A	A	A	A	A	A	A	A	A	A		A	A
Sodium Sulfate (Salt Cake) (Thenardite)														
Na <sub>2</sub> SO <sub>4</sub>	B	A	A	A	A	A	A	30%B	B	A	A		A	B
Sodium Sulfide (Pentahydrate)														
Na <sub>2</sub> S • 5H <sub>2</sub> O	A	A	A	A	A	A	A	30%A <sup>212*</sup>	B	30%A <sup>167*</sup>	A	A	A	B
Sodium Sulfite														
Na <sub>2</sub> SO <sub>3</sub>	A	A	A	A	A	A		30%A	X	30%A	A	A	A	B
Sodium Tetraborate Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> • 10H <sub>2</sub> O			A		B			A					C	A
Sodium Thiosulfate (Antichlor) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	A	A	A		A	A		A	C	A <sup>122*</sup>	A	B	A	B
Sorghum		A	A					A		A	A			
Soybean Oil Triglycerides of acids	C	A	A	C	A	A	A	B	A	A	A	B	B	
Soy Sauce														
Fermented soya bean/wheat		A	A					A		X				
Sperm Oil (Whale Oil) Fatty acid esters	X	A			A	A	B		A	A				
Stannic Chloride (Tin Chloride) SnCl <sub>4</sub>	B	A	B	B	A	A	A	X	C	10%A	A		A	B
Stannous Chloride (Tin Chloride) SnCl <sub>2</sub>	A	A	B	15%B	A	A		X	B	10%A	A		A	B
Starch *SEE NOTE BELOW C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>	A	A	B	B	C	A	A	A	C	A	A	B		A

CHEMICAL	NEOPRENO	BUNA	EPDM	HYTREL	FKM	PTFE	SANTROPRENE	ALUMIN	CAST IRON	STAINLESS	POLLYPRO	ACETAL	PVDF	NYLON
Stearic Acid $\text{CH}_2(\text{CH}_2)_n\text{CO}_2\text{H}$	B158*	B	B	B	A	A	B	C	C	A	A	C	A	A
Stoddard Solvent Petroleum distillate	C	A	X	A	A	A	C	A	A	A	A	A	X	A
Styrene (Vinylbenzene) $\text{C}_6\text{H}_5\text{CH}=\text{CH}_2$	X	X	X	X	A	A	C	A	A	A			A	A
Sucrose Solution (Sugar) $\text{C}_{12}\text{H}_{22}\text{O}_{11}\cdot\text{H}_2\text{O}$	A	A	A	A	A	A	A	A	A	A				
Sulfamic Acid $\text{H}_2\text{NSO}_3\text{H}$	A	B		A	A	A		10%A	X	X	X		X	
Sulfite Liquors		B	A	C	B			A			A			
Sulfur	B	B	X	A	A	A		A	A	A	B	A	A	A
Sulfur Chloride $\text{S}_2\text{Cl}_2$	X	C	X	C	A	A	X	B	X	B	X		A	C
Sulfur Dioxide $\text{SO}_2$	A	X	B	X	A	A	A	A	B	10%A	A	B	A	C
Sulfur Hexafluoride $\text{SF}_6$	A	B	A	A	A	A	B							
Sulfur Trioxide $\text{SO}_3$	C	C	C	X	A	A	C	B	B	B	X		X	A
Sulfuric Acid 10% $\text{H}_2\text{SO}_4$	A	B	A	A	A	A	A	X	X	A	A		A	X
Sulfuric Acid 25% $\text{H}_2\text{SO}_4$	B	C	B	A	A	A	A	X	X	B	A		A150*	X
Sulfuric Acid 50% $\text{H}_2\text{SO}_4$	B	C	B	A	A	A	A	X	X	X	A		A150*	X
Sulfuric Acid 60% $\text{H}_2\text{SO}_4$	C	X	B	X	A	A	A	X	X	X	A		A150*	X
Sulfuric Acid 75% $\text{H}_2\text{SO}_4$	X	X	C	X	A	A	A	X	C	C	A		A150*	X
Sulfuric Acid 95% $\text{H}_2\text{SO}_4$	X	X	C	X	A	A	A	X	B	A	X		A120*	X
Sulfuric Acid (Conc.) $\text{H}_2\text{SO}_4$	X	X	C		A	A	98%aq	X	B	B	X		A120*	X
Sulfuric Acid (Fuming) $\text{H}_2\text{SO}_4$	X	X	X	20%ox	B	A		C	X	B				
Sulfurous Acid $\text{H}_2\text{SO}_3$	X	B	C	C	A	A	A	B	X	B	A	X	A	X
Tall Oil (Liquid Rosin) Rosin acids	B	A	X		A	A	A	X	B212*	B	A		A	
Tallow		A			A	A	B	A		A	B	C		A
Fat from cattle, sheep		A			A	A	B	A		A	B	C		A
Tannic Acid $\text{C}_{14}\text{H}_{10}\text{O}_{12}$	B	C	C	10%A	A	A	A	A	A	A	A	X	A	A
Tanning Liquors Tannic acid	B	A			A	A	A	A		A	A	X		
Tar, Bituminous (Coal Tar) (Pitch)														
Mixture of aromatic & phenolic hydrocarbons	C	B	X	X	A	A	B	A		A	A	A		C
Tartaric Acid $\text{C}_4\text{H}_6\text{O}_6$	A	B	B	B	A	A	A	20%A	X	A	A	X	A	A
Terpenes	X	C	X		A	A		A	X					
$\text{C}_{10}$ hydrocarbons														
Terpineol (Terpilenol) $\text{C}_{10}\text{H}_{18}\text{O}$	X	C	C		A	A	B	A	A	A	X		B120*	
Tertiary Butyl Alcohol $(\text{CH}_3)_3\text{COH}$	A	A			B	A	B				B			
Tertiary Butyl Catechol $\text{C}_9\text{H}_{14}\text{O}_2$	B	X			A	A	B	C	B	B				
Tertiary Butyl Mercaptan $\text{C}_4\text{H}_{10}\text{S}$	X	X			A	A	B							
Tetra Bromomethane $\text{CBr}_4$	X	X			A	A	X	X			X			
Tetraethyl Titanate $\text{Ti}(\text{C}_2\text{H}_5)_4$	A	B	B		A	A	B							
Tetrachloroethylene $\text{C}_2\text{Cl}_4$							X							A
Tetrachlorodifluoroethane $(\text{Cl}_2\text{FC})_2$	X	X				A								
Tetrachloroethane (Acetylene Tetrachloride) $(\text{Cl}_2\text{HC})_2$	X	X	X		A	A	X	X	A	C	X	A	A	C
Tetraethyl Lead $\text{Pb}(\text{C}_2\text{H}_5)_4$	X	B	X		B	A	C	B	A	A	A		A	
Tetraethylene Glycol (TEG) $\text{HOCH}_2(\text{CH}_2\text{OCH}_2)_3\text{CH}_2\text{OH}$		A			A	A								
Tetrahydrofuran (THF) $\text{C}_4\text{H}_8\text{O}$	X	X	C	C	X	A	B				C100*	A	B70*	A
Tetrahydronaphthalene (Tetralin) $\text{C}_{10}\text{H}_{12}$	X	X	X		A	A		A	A	A	C			A
Thionyl Chloride $\text{SOCl}_2$	X	X	X		B	A	B	C	A	A	B	B	X	X
Thiophene $\text{C}_4\text{H}_4\text{S}$	X	X	X		C	A								
Titanium Tetrachloride $\text{TiCl}_4$	X	C	X		A	A	X	X	A	B	B		B	A
Toluene (Toluol) $\text{C}_7\text{H}_8$	X	C	X	C	B	A	C	A	A	A	X	B	A	A
Toluene Diisocyanate $\text{CH}_2\text{C}_6\text{H}_4(\text{NCO})_2$	X		A	B		A	B							
Toluidine $\text{C}_6\text{H}_7\text{N}$		X			B	A		A	A	A				
$\text{CH}_3\cdot\text{H}_2\text{N}\cdot\text{H}$														
Tomato Pulp & Juice		A			A	A	A	B		A	A		A	A
Toothpaste	C	A			A	A			X	A				
Transformer Oil (Petroleum) Hydrocarbons	C	B	X		A	A	X	A	A	A	B	C		A
Transmission Fluid (Type A)	C	A	X	B	A	A	C	A	A	A				
Triacetin $\text{C}_9\text{H}_{18}\text{O}_6$	B	A	A		X	A	A	B						
$\text{C}_6\text{H}_5(\text{OCOCH}_3)_3$														
Triallyl Phosphate $\text{P}(\text{OC}_3\text{H}_7)_3$	C	X	A		A	A					B		A	A
Triaryl Phosphate $(\text{C}_6\text{H}_5\text{O})_3\text{PO}$	C	X			A	A								
Tributyl Phosphate $(\text{C}_4\text{H}_9\text{O})_3\text{P}$	X	X	A		B	A	B							
Tributyl Phosphate (TBP) $(\text{C}_4\text{H}_9)_3\text{PO}$	X	X	C	C	X	A	B	A	A	A	B100*		A100*	B
Dibutyl Mercaptan $(\text{C}_4\text{H}_9)_2\text{S}$	X	X			A	A	B							
Trichloroacetic Acid (TCA) $\text{CCl}_3\text{COOH}$	B	C	C	X	B	A	B	X	X	X	B		B	X
Trichlorobenzenes $\text{C}_6\text{H}_3\text{Cl}_3$	X	X			B	A		X	A	A				
Trichloroethane $\text{C}_2\text{HCl}_3$	X	X	X		B	A	X	X	A	A	X		A	X
Trichloroethylene (Ex-Tri) (Hi-Tri) $\text{C}_2\text{HCl}_2$	X	X	X	X	C	A	X	X	B	90%A167*	X	B	A	C
Trichloropropane $\text{CH}_2\text{ClCHCl}_2$	A	X			B	A	X	X	A	A	X			
Tricresyl Phosphate (Lindol) $(\text{C}_6\text{H}_4\text{CH}_3)_3\text{PO}$														
$(\text{C}_6\text{H}_5)_3\text{PO}$	C	X	A	C	C	A	B		A	B	B		X	A

CHEMICAL	NEOPRENO	BUNA	EPDM	HYTREL	FKM	PTFE	SANTROPRENE	ALUMIN	CAST IRON	STAINLESS	POLLYPRO	ACETAL	PVDF	NYLON
Tricosyl Alcohol (Tridecanol) C <sub>13</sub> H <sub>28</sub> •CH <sub>2</sub> OH		A			B	A								
Triethanol Amine (TEA) N(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub>	A	X	B	X	C	A	A	A	A	A	A	B	X	A
Triethyl Aluminum (ATE) Al(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub>	X	X			B	A	B							
Triethyl Amine (CH <sub>3</sub> ) <sub>3</sub> N	B	A			A	A			A	A	C		A <sup>120°</sup>	
Triethyl Borane (C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> B	X	X			A	A	B							
Triethylene Glycol (TEG) (CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OH) <sub>3</sub>		A			A	A					A			A
Trimethylene Glycol HO(CH <sub>2</sub> ) <sub>3</sub> OH		A	A		A	A		A	A	A				
Trinitrotoluene (TNT) CH <sub>2</sub> C <sub>6</sub> H <sub>2</sub> (NO <sub>2</sub> ) <sub>3</sub>	B	X	X		C	A	A							
Triocetyl Phosphate (C <sub>18</sub> H <sub>37</sub> O <sub>2</sub> ) <sub>2</sub> PO	X	X	A		B	A	B							
Tung Oil (Wood Oil) Fatty acids	C	A	X	B	A	A	B	A		A	A			
Turpentine C <sub>10</sub> H <sub>16</sub>	X	A	X	B	A	A	C	A	A	A	X	A	A	B
Unsymmetrical Dimethyl Hydrazine (UDMN) H <sub>2</sub> NN(CH <sub>3</sub> ) <sub>2</sub>	C	C	A		X	A	B						A	
Urea (Carbamide) CO(NH <sub>2</sub> ) <sub>2</sub>	B	B		B	A	A		B		50%B	A	A	A	A
Urine	X	A			A	A	A	A	A	A	A	C	A	A
Valeric Acid CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> COOH	X	X	A			A		A						
Vanilla Extract (Vanillin) C <sub>8</sub> H <sub>8</sub> (CHO)•(OCH <sub>3</sub> ) <sub>2</sub> (OH)	X	A			X	A				A				
Varnish														
Oil, gum resins, oil of turpentine	C	B	X		A	A		A		A	A		A	X
Vegetable Juices	C	A				A	A	C		A				
Vegetable Oils	C	B	A		A	A	B	A	B	A	X			A
Vinegar														
Dilute acetic acid	B	C	A	C	A	A	A	C	X	A	A	C	A	X
Vinyl Acetate CH <sub>2</sub> COOC <sub>2</sub> H <sub>5</sub>	B	X			X	A		B	A	A	B		A	
Vinyl Chloride (Chloroethylene)														
CH <sub>2</sub> CHCl	X	X	C		A	A	X	X	A	A	X		B	A
Walnut Oil	B	A			A	A								
Water, Distilled (Also Deionized) H <sub>2</sub> O	C	A	A		A	A	A	A	C	A	A	A	A	A
Water, Fresh H <sub>2</sub> O	B	A	A	A <sup>72°</sup>	A	A	A	A	A	A	A	A	A	B
Waxes														
Hydrocarbons	A	A	X			A		A		A		A		A
Weed Killers	C	B			A		B	X		A				
Whiskey														
Ethanol, esters, acids	A	B	A	B	A	A	A	A	X	A	A	B	A	A
White Oil (Mineral) (Petroleum)														
Mixture of liquid hydrocarbons	C	A	X		A	A	C			A				
White Sulfate Liquor	A	B	A		B	A		B	C	A	A		A	
Wines	A	A	A	A	B	A	A	C	X	A	A	B	A	A
Wort, Distillery														
Sugar solution from malt	A				A	A		A	B	A				
Xylene (Xylol) C <sub>8</sub> H <sub>10</sub> (CH <sub>3</sub> ) <sub>2</sub>	X	X	X	C	A	A	C	A	B	B	X	A	A	A
Xylidines (Xylidin) (CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> NH <sub>2</sub>	X		X		X	A	C	B	B					
Zeolite														
Hydrated alkali aluminum silicates	C	C	A		A	A	A			A				
Zinc Acetate Zn(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub>	B	C	A		X	A	A	C			A		A	
Zinc Carbonate ZnCO <sub>3</sub>		A			A	A		B	B	B				
Zinc Chloride ZnCl <sub>2</sub>	B	B	A	A	A	A	A	10%A	B	10%A	A	B	A	C
Zinc Hydrosulfite ZnHSO <sub>3</sub>	A	A			A	A	A	X		A				
Zinc Sulfate ZnSO <sub>4</sub>	A	A	A	X	B	A	A	20%B	X	B	A	B	A	B