

Rating Guide													
	Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
A Good													
B Fair													
C Questionable													
D Poor													
Blank Insufficient Data													
Acetaldehyde	A				A	A		B	D	D	C	A	A
Acetamide	A				A	B			B	A	B	A	B
Acetate Solvent	B				A	A	A	A	D	C	D	A	C
Acetic Acid, Glacia	A			D	A	C	D	A	D	C	D	B	B
Acetic Acid, 20%	C	B	D	D	A	B	D	A	B	B	A	A	B
Acetic Acid, 80%	C	B	D	D	A	C	D	A	B	C	C	A	B
Acetic Acid	A	B	D	D	A	C	D	A	B	C	C	A	C
Acetic Anhydride	D				A	A	D	A	D	D	A	B	C
Acetone	A	D	B	A	A	A	B	A	D	D	C	A	B
Acetyl Bromide													
Acetyl Chloride (dry)	A				A	A		A	A	A	D	D	C
Acetylene	A		A	A	A	A	A	A	A	A	B	A	B
Acrylonitrile	A				A	A		B	D	D	C	D	D
Alcohols:													
Amyl	D	A		A	A	A		B	B	B	A	A	D
Benzyl	A				A	A		B	A	A	C	B	
Butyl	A	B		A	A	A		B	A	A	A	B	B
Diacetone	A				A	A		A	D	D	D	A	D
Ethyl	A	B	A	A	A	A	A	B	A	C	A	A	B
Hexyl	A				A	A		A	C	A	A	C	B
Isobutyl	A				A	A		B	A	B	A	A	A
Isopropyl	A				A	A		B	A	B	B	A	A
Methyl	B				A	A		A	B	A	A	A	A
Octyl	A				A	A	B	A	B	B	B	A	B

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	A	Good													
Propyl	A						A	A	A	A	A	A	A	A	A
Aluminum Chloride, 20%	A						C	D	D	D	A	A	A	A	B
Aluminum Chloride	A						C	A	A	A	A	A	A	A	B
Aluminum Fluoride	B						C	B	D	B	A	A	A	A	
Aluminum Hydroxide	B				A		C	A	A	B	A	A	A	A	
Alum Potassium Sulfate, 10%	A						B	C	B	C	A	A	A	A	B
Alum Potassium Sulfate, 100%	A						B	C	D	C	A	A	A	A	A
Aluminum salts					A										
Aluminum Sulfate	A						B	B	D	B	A	A	A	A	A
Alums	A						A		A	A	A	A	A	A	C
Amines	A						A	A	A	B	D	D	B	B	B
Amino Acids					A										
Ammonia, 10%	A						A	A	A	A	D	A	A	A	
Ammonia, anhydrous	A						A	A	A	A	D	B	C	A	D
Ammonia, liquid	A				B	A	A	B	B	C	D	C	A	A	
Ammonia Nitrate	A						A	A	A	C	D	C	C	A	
Ammonium Acetate															A
Ammonium Bifluoride	A							C		B	A	A	A	A	
Ammonium Carbonate	A						B	B	B	B		D	A	A	
Ammonium Casenite	A						A						A		
Ammonium Chloride	A						D	C	C	C	A	B	A	A	
Ammonium Hydroxide	A	D				D	A	A	B	B	B	D	A	A	A
Ammonium Natrate	A						A	A	A	B	A	A	B	A	
Ammonium Oxalate	A						A	A	A			A	A		

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Ammonium Persulfate	A				B	A	A	D	A	D	A	A	
Ammonium Phosphate, Dibasic	A				B	B	B	B	A	A	A	A	A
Ammonium Phosphate, Monobasic	A				C	B	B	B	A	A	A	A	A
Ammonium Phosphate, Tribasic	A				B	B	B	B	A	A	A	A	A
Ammonium Sulfate	A				B	B	B	A	A	A	A	A	A
Ammonium Thiosulfate					A					A	A		
Amyl Acetate	A		A		A	A	B	A	D	D	D	A	D
Amyl Alcohol	D	A	A		A	A		B	B	B	A	A	D
Amyl Chloride	A				A	A	C	A	B		D	D	D
Aniline	C		B		B	A	B	C	C	D	D	B	D
Aniline Hydrochloride					D	D	D	D	A		D	B	D
Anti-freeze	A	A			A			A	A	A	C		
Antimony Trichloride					C	D	D	D	A			B	
Aqua Regia (80%HCl, 20%HNO3)	D		D		D	D		D	B	D	D	C	D
Arochlor 1248	A				B	B		A	A	C	D	B	B
Aromatic Hydrocarbons	A		B		C			A	A	C	D	D	D
Arsenic Acid	A				A	A	B	D	A	A	A	A	A
Asphalt	A				A	B	B	A	A	B	C	D	D
Barium Carbonate	A				B	B	B	D	A	A		A	
Barium Chloride	A				A	A	B	D	A	A	A	A	A
Barium Cyanide	A				A	A		C	A	C	A	A	
Barium Hydroxide	A				B	B	B	D	A	A	A	A	A
Barium Nitrate	A				B	B	B	B	A	A	A	A	
Barium Sulfate	C				B	B	B	B	A	A	A	A	A

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Barium Sulfide	B				B	B	B	D	A	A	A	B	A
Beer	A	A		A	A	A	A	A	A	A	A	A	A
Beet Sugar Liquids	A				A	A	B	A	A	A	A	A	A
Benzaldehyde	A				B	B		B	D	D	D	A	D
Benzene	C	B	A	A	B	B	B	B	A	D	D	D	D
Benzene Sulfonic Acid	B				B	B	B	D	A	A	A	D	D
Benzoic Acid	A		D		B	B		B	A	D	D	D	B
Benzo	A				A	A	A	B	A	D	B	B	
Bleaching Liquors			A				B		A			A	B
Borax	A				A	A		B	A	D	C	A	B
Boric Acid	A	A	A	A	A	B	D	D	A	A	A	A	A
Brewery Slop	A				A		A		A	A	A		
Bromine	D	C	D	A	D	D	A	D	A	D	D	D	D
Butadiene	A		A		A	A	A	A	B	D	B	C	D
Butane	A		A		A	A		A	A	A	A	D	D
Butano	D		A		A	A	A	B	A	A	A	B	B
Butter	A		A		A	C	A	A	A	A	B	A	B
Buttermilk	A		A		A	A	B	A	A	A	A		
Butylene	A				A	A	C	A	A	B	C	D	D
Butylacetate	B		B		A	B		B	D	D	D	B	D
Butyl Ether			A										
Butyl Glycol			A										
Butyric Acid	C		A		B	B		B	B	D	D	B	
Calcium Bisulfate	A				A		D				A		

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Calcium Bisulfide	A						B	B	A	C	A		A	C	
Calcium Bisulfite	A						A	B		D	A	A	A	D	A
Calcium Carbonate	A						B	A	C	D	A	A	A	A	A
Calcium Chlorate									C		A	A		A	
Calcium Chloride	A	A	A	A	D	B	C	D	D	D	A	C	A	A	A
Calcium Hydroxide	A				A		B	C	B	C	A	A	A	A	A
Calcium Hypchlorite	A				C		B	C		D	A	A	C	B	B
Calcium Oxide	A						B	A		C	A	C	D	A	C
Calcium Sulfate	A						A	B	B	C	A	B	C	A	
Calgon	A						A	A	A		A	A	A	A	
Cane Juice	A						A	A	A	B	A	A	A	A	A
Carbolic Acid	C						B	B	A	B	A	A	C	B	D
Carbon Bisulfide	A						B	A	A	B	A	D	D	D	
Carbon Dioxide	A						A	A	B	B	B	C	B	B	B
Carbon Dioxide (dry)	A						A	A	A	B	B	A	B	B	B
Carbon Dioxide (wet)	A				A		A	A	B	B	B	A	B	B	B
Carbon Disulfide	C						B	A	A	A	A	A	D	D	
Carbon Monoxide	A						A	A	B	A	A	D	A	A	A
Carbon Tetrachloride	A	C			A		B	B	A	D	A	A	D	D	D
Carbonated Water	A						A	A	D	A	A	C	A		
Carbonic Acid	B						A	A	D	B	A	A	A	A	A
Catsup	A						A	A		D	A	B	C	C	
Chloroacetic Acid	C						A	B	D	D	D	A	D	B	
Chlorobromomethane					A					C		A	B	D	B

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Chloric Acid					C	D	D	D		D			
Chlorinated Glue	A				A		B		A		D	B	
Chlorine, anhydrous liquid	C				C	C	A	D	A	C	D	C	
Chlorine, dry				A	B	C	D	C	A	D	C	A	D
Chlorine Water	A	C	D	A	C	C		D	A	D	D	C	
Chlorobenzene	C		A		B	A	B	A	A	D	D	D	D
Chloroform	C		D		A	B	B	B	A	D	D	D	D
Chlorosulfonic Acid	C		D		B	D	C	C	C	D	D	D	D
Chocolate Syrup	A				A	A	D	A	A	D	A		
Chromic Acid, 5%	B		B	D	A	B	A	C	A	A	D	A	C
Chromic Acid, 10%	C			D	B	B	C	D	B	D	D	C	C
Chromis Acid, 30%	C			D	B	B		D	A	D	D	B	C
Chromic Acid, 50%	D	B		D	B	C		D	A	D	D	B	C
Chromium Salts							A						
Cider	A				A	A	B	B	A	A	A		
Citric Acid	A	B	A	B	A	B	B	C	A	A	A	A	A
Citric Oils	A				A	A		C	A	A	D		
Clorox	A				A	A	B	A	A	B	B	B	
Coffee	A				A	A	B	A	A	A	A	A	A
Copper Chloride	A		A		D	D	B	D	A	A	A	A	A
Copper Cyanide	B				B	B		D	A	A	A	A	A
Copper Fluoborate	A				D	D			A	B	A		
Copper Nitrate	A				B	A		D	A	A	A		
Copper Sulfate, 5%	A				B	B		D	A	A	A	A	A

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Copper Sulfate, >5%	A				B	B		D	A	A	A	A	A
Cream	A				A	A		A	A	A	C		
Cresols	A		D		A	A		A	A	D	D	D	D
Cresylic Acid	A				A	A	A	B	A	D	D	D	D
Cyanic Acid	A				A	A			A	C	C		
Cycloalcohols			A										
Cycloalkanes		A											
Cycloalkanones		A											
Cyclohexane	A			A	A		A	A	A			D	D
Cyclohexanone	C			A	A		A	D				C	D
Detergents	A			A	A		B	A	A			A	A
Diacetone Alcoho	B			A	A		A	D				A	D
Dibutyl Phthalate		A											
Dichlorethane	B	D		B	B			C					
Dichlorofluoromethane		A											
Dichlorotetrafluoroethane		A											
Diesel Fue	A	A		A	A		A	A	A			D	D
Diethylamine	A			B			A	B	D	C		B	B
Diethyl Ether		A											
Diethylene Glycol	C	D		A	A	A	B	A	A			A	B
Difluoromethane		A											
Dimethyl Ether		A											
Dimethylformamide		A											
Dimethyl Formamide				A	A		A		D			B	C

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Dimethylsulfoxide		A											
Dioctylphthalate		A											
Dipylene Oxide	A			B	B	A	B	A	A		D	C	
Dipropyl Ether		A											
Dyes	A	A		A	A	A	B	A					
Epsom Salts	A			B	B	B	B	A	A		A	A	
Ethane	A	A		A		A		A	A		D	D	
Ethano		A											
Ethanolamine	A				A	A	A	B	D	B	B	B	B
Ether	A				B	B	B	B	C	D	D	C	D
Ethyl Acetate	C		C		B	B	B	B	D	D	D	B	B
Ethyl Chloride	A				A	A	A	B	A	A	B	A	D
Ethyl Sulfate	A				D		A		A	A			
Ethylene			A										
Ethylene Bromide					B	B	B	D	A			C	D
Ethylene Chloride	B			B	A	A	D	B	B	D	D	D	D
Ethylene Chlorohydrin					B			B	A	D	A	B	C
Ethylene Diamine	A				A	A		C	D	A	B	A	A
Ethylene Dichloride	C				A	A	A	B	A	D	D	C	D
Ethylene Glycol	C	A	B		A	A	B	B	A	A	A	A	A
Ethylene Oxide	A		B		C	C		D	D	D	D	C	D
Fatty Acids	A		A		A	B	B	A	A	B	B	D	C
Ferric Chloride	A				C	D	D	D	A	A	B	A	B
Ferric Nitrate	A				A	B	B	C	A	A	A	A	C

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Ferric Sulfate	A				A	B	B	C	A	A	A	A	B
Ferrous Chloride	A				C	D	D	D	A	A	A		
Ferrous Sulfate	A				B	B	B	A		A		A	
Fluoboric Acid	A				C	B		D		A	A	A	
Fluorinated Hydrocarbons			A										
Fluorine	D		C		C	C	C	D	B			A	D
Fluoriosilic Acid	C				B	C	C	C		A	A	A	
Formaldehyde, 40%	A		A		A	A	B	B	A	B	B	A	
Formaldehyde, 100%	A		A		A	C	B	A	D	C	C	A	B
Formic Acid	C		B		C	B	B	B	C	B	A	A	B
Freon 1	A			A	A	C	A		A	B	D	D	D
Freon 12	A			A		D	A	A	B	A	A	B	D
Freon 22	A			A			A		D	D	A	A	D
Freon 113	A			A			A		B	A	C	D	D
Freon TF	A			A			A	D	B	A	A	D	D
Fruit Juice	A		A		A		A	A	A	A	A		
Fuel Oils	A		A		A	A	A	C	A	B	C	D	C
Furan Resin	A				A	A	A	A		D	D	C	D
Furfura	A		A		B	B	B	A	D	D	D	B	D
Gallic Acid					B	B	B		A	B	B	B	
Gasoline	A	C		A	A	A	A	C	A	A	B	D	D
Gelatin	B				A	A	A	A	A	A	A	A	A
Glucose	B				A	A	A	B	A	A	A	A	A
Glue, PVA	A				A	A	A	A	A	A	A	A	A

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Glycerin	A		A		A	A	A	C	A	A	A	A	A
Glycolic Acid	A				A	A	A	A	A	A	A	A	A
Gold Monocyanide	A				A	A	A		A	A	A		
Grape Juice	A				A	A	A		A	A	A		
Grease	A		A		A		A		A	D	D		
Heptane	A	B	A		A	A	A	A	A	A	A	D	D
Hexamethylenetetramine			A										
Hexane	B	B	A		A	A	A	A	A	A	B	D	D
Honey	A				A		A	A	A				
Hydraulic Oil (Petro)	A	A	A		A	A	A	A	A	A	B	D	C
Hydraulic Oil (Synthetic)	A	A	A		A	A	A	A	A				
Hydrazine	A				A	A			A	B	B	A	C
Hydrobromic Acid, 20%	B		C		D	D	D	D	A	D	B	A	D
Hydrobromic Acid, 100%	D		C		D	D	D	D	A	D	D	A	D
Hydrochloric Acid, Dry Gas	A	A			D	D	D	D					
Hydrochloric Acid, 20%	A	A	C	D	D	D	D	D	A				
Hydrochloric Acid, 37%	A		C	D	D	D	D	D	A	B	B	A	B
Hydrochloric Acid, 100%			C	D	D	D	D	D	A	D	D	C	D
Hydrocyanic Acid	A				B	B	B	B	A	B	A	A	
Hydrocyanic Acid, gas							A		A	B	A	A	
Hydrofluoric Acid, 20%	A		A		D	D	D	D	A	B	A	A	D
Hydrofluoric Acid, 50%	C				D	D	D	D	A	B	A	A	D
Hydrofluoric Acid, 75%	B				D	D	D	D	A	D	D	C	D
Hydrofluoric Acid, 100%					B	B	D	D	A	D	D	C	D

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Hydrofluosilicic Acid, 20%	C				B	C	D	D	A	A	C	A	
Hydrofluosilicic Acid, 100%	C				C	D	D	D	A	B	B	A	D
Hydrogen Gas			A	A	A	A	A	A	A	A	A	A	C
Hydrogen Peroxide, 10%	C	A		B	B	B	B	A	A				B
Hydrogen Peroxide, 30%	B	A		B	B	B	B	A	A				B
Hydrogen Peroxide, 50%		A		B	A	B	B	A	A				B
Hydrogen Peroxide, 100%	A	A	A	B	A	B	B	A	A	B	A	A	B
Hydrogen Sulfide (wet)	A	A	A	A	C	C	C	B	D	D	A	A	C
Hydrogen Sulfide (dry)	A	A		A	B	C	C	B	D	A	A	A	C
Hydroquinone			A						B	C		D	
Hydroxyacetic Acid, 70%	A								A	A	A	A	
nk	A		A		C	C			A	A	A		
odine	C				C	C	C	A	A	B	D	B	
Iodine (in alcohol)								B				A	
odoform					B			A			A		
Isocyanates, aromatic			A										
sooctane			A										
Isopropanol			A										
sotane	A						A	D	A	A	D		
Isopropyl Acetate	A				A	C	A	B	D	D	D	B	D
Isopropyl Ether	D	A			A	A		A	D	B	C	D	D
Jet Fue	A				A	A	A	A	A	A	D	D	D
Kerosene	A			A	A	A	A	A	A	A	C	D	D
Ketones	C		C		A	A	C	A	D	D	D	D	

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Lacquers	A				A	A	A	A	D	D	D	D	D
Lacquer Thinners	A				A	A	A	A	D	D	D	D	D
Lactic Acid	B		A		B	B	B	B	A	A	A	A	A
Lard	B				A	A	A	A	A	A	C	D	B
Latex	A				A	A		A	A	A		A	
Lead Acetate	A		A		B	B	B	D	D	B	B	A	D
Lead Sulfamate	A				C	C	A	C	A	B	A	A	B
Ligroin	A				A		A	D	A	A	B	D	D
Lime	A				A	A	A	D	A	A	A	D	
Lithium Bromide			A										
Lithium hydroxide			A		B	B	B	D		C			
Lubricants		A	A			A	A	A	A	A		D	D
Magnesium Carbonate						A	A	B	A	A		A	
Magnesium Chloride						B	B	D	A	A		A	A
Magnesium Hydroxide						B	B	C	A	B		A	A
Magnesium Nitrate						A	A	C	A	A		A	
Magnesium Oxide							A		C	A			
Magnesium Salts			A										
Magnesium Sulfate						B	B	B	A	A		A	A
Maleic Acid			A			A	A	B	A	D		D	
Maleic Anhydride							A	A	A	D		D	
Malic Acid						A	B	B	A	A		D	B
Manganese Salts			A										
Mash							A	A	A	A		A	

Rating Guide													
	Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
A Good													
B Fair													
C Questionable													
D Poor													
Blank Insufficient Data													
MayonNaise						C	A	A	A	C			
Melamine									A	C		A	
Mercuric Chloride						D	D	D	A	A		A	
Mercuric Cyanide						B	D	D	A	A			
Mercury				A		A	A		A	A		A	
Methane				A		A	A	A	A	A		D	D
Methano				A		A	B	A	A	A		A	A
Methyl Acetate				C		A		A	D	D		B	D
Methyl Acrylate							A		D	D		B	D
Methyl Acetone						A	C	A	A	D			
Methyl Alcohol, 10%						A	B	A	D	A		A	A
Methyl Bromide						A	B		A	B		D	
Methyl Butyl Ketone	C				A		B		D	D	D	A	D
Methyl Cellosolve	C	C			A	A	C	A	D	C	B	B	D
Methyl Chloride	A	C		A	A	A	C	D	A	D	D	C	D
Methyl Dichloride	A						A		A	D		D	
Mehtyl Ethyl Ketone	C	C	A		A	A	B	A	D	D	D	A	D
Methyl Ethyl Ketone Peroxide									D	D	D	D	B
Methyl Isobutyl Ketone	C				A	A		A	D	D	D	B	D
Methyl Isopropyl Ketone	A				A	A			D	D	D	C	C
Methyl Methacrylate	A						A		D	D	D	D	
Methylamine	A				A		A		D	C		A	
Methylene Chloride	A	C	D		B		B	A	B	D		D	
Milk	A		A		A	B	B	A	A	A	A	A	A

Rating Guide													
	Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
A Good													
B Fair													
C Questionable													
D Poor													
Blank Insufficient Data													
Mineral Spirits	A				A	A	A	A	A	A	C	D	D
Molasses	A				A	A	B	A	A	A	A		
Monoethanolamine	A				B	A	A	B	D		D	A	B
Mustard	A				A	A	C	B	D	C	A		
Naphtha	A	C	A		A	A	A	A	A	C	D	D	D
Naphthalene	A		A		A	A	A	B	A	D	D	D	D
Naphthenic Acids			A										
Natural Gas				A	A				A	C	A	A	A
Nickel Chloride	A	C			C	D	D	D	A	A	B	A	A
Nickel Salts			A										
Nickel Sulfate	A				B	B	B	D	A	A	A	A	A
Nitrating Acid, <15%					C	C		D			A		
Nitrating Acid, >15%	D				C	C	D	D			A		
Nitric Acid, 5-10%	A	A	B	D	A	A	B	D	A	D	B	B	
Nitric Acid, 20%	B	B		D	A	A	B	D	A	D	D	B	
Nitric Acid, 50%	D	B		D	A	A	B	C	A	D	D	D	C
Nitric Acid, conc	D	C	C	D	A	A	C	A	A	D	D	D	D
Nitrogen Fertilizer													D
Nitrous Acid					A	A			A		D	A	
Nitrous Oxide			A		B	B		B			A	A	
Nitrobenzene	C		A		A	B	B	A	B	D	D	D	D
Nitrotoluene			A										
Oils													
Aniline	A		A	A	A	A	A	D	C	D	D	B	D

	Rating Guide		Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
	A	Good													
Anise	A	Good	A		A	A		A					D		
Bay	A	Fair	A		A	A		A			A		D		
Bone	A	Questionable	A	B	A	A		A		A	A	A	D		
Castor	A	Poor	A		A	A	A	A		A	A	A	A	B	A
Cinnamon	A	Insufficient Data	A		A	A	A	A		A			C		
Citric	A		A		A	A		A	A	A			D		
Clove	A		A		A	A	A	A	B	A	A	A	C		
Cocoa Nut	A		A		A	A	A	A	A	A	A	A	C	C	A
Cod Liver	A		A	B	A	A	A	A	A	A	A	A	B	A	B
Corn	A		A	A	A	A		A	A	A	A	A	C	C	A
Cotton Seed	A		A		A	A	A	A	A	A	A	A	C	C	A
Creosote	A		A	C	A	B	B	B	B	B	A		C	D	D
Diesel Fuel	A		A	A	A	A	A	A	A	A	A	DA	B	D	D
Fuel Oils	A		A	B	A	A	A	A	C	A	A	B	D	D	C
Ginger	A		A		A		A	A		A	A		A		
Lemon	A		A		A		A	A	D	A			D		
Linseed	A		A		A		A	A	B	A	A		C	A	
Mineral	A		A	B	A		A	A	A	A	A	A	D	C	
Olive	A		A		A		A		A	A	A	A	B	D	
Orange	A		A		A		A	A	A	A	A	A		D	
Palm	A		A		A		A	A		A	A				
Peanut	A		A		A		A	A	D	A	A		C	A	
Peppermint	A		A		A		A	A	D	A	D				
Pine	A		A		A		A	A		A	B		D	D	

Rating Guide													
	Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
A Good													
B Fair													
C Questionable													
D Poor													
Blank Insufficient Data													
Rapeseed	A		A			A	A		A	B		A	D
Rosin	A		A			A	B	B	A	A			
Sesame Seed	A		A			A	A		A	A			
Silicone	A	B	A			B	A	A	A	A		A	C
Soybean	A		A			A	A	B	A	D		C	A
Sperm	A	B	A			A	A		A	A			
Tanning	A		A			A	A		A	A			
Transformer	B	B	A			A		A	A	A		D	B
Turbine	A	B	A			A	A		A	B		D	D
Oleic Acid	A		A			B	B	B	B	C		B	D
Oleum, 25%	D		D			B	A	B	A	D		D	D
Oleum, 100%	D					B	A	B	A	D		D	D
Oxalic Acid	A		A			B	B	B	A	B		A	B
Ozone				D		B		B	A	D		A	A
Paint Solvents				C									
Palmatic Acid				A									
Paraffin	A		A		A	A	A	A	B	A	A	A	D
Pentane	A				C	C	A	A	A	A	B	D	D
Perchloric Acid									A	D	A	B	D
Perchloroethylene	D				A	B	A	B	A	C	D	D	D
Petrolatum	A				A		A		A	A	A	A	
Petroleum				A									
Petroleum, ethers & salts				A									
Phenol, 10%	C		D		B	B	B	B	A	D	D	B	D

Rating Guide													
	Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
A Good													
B Fair													
C Questionable													
D Poor													
Blank Insufficient Data													
Phenol, Carbonic Acid	C				B	B	B	B	A	D	D	B	D
Phosphate solutions			A										
Phosphine			A										
Phosphoric Acid, <40%	A	A	A	D	B	A	A	C	A	D	B	B	D
Phosphoric Acid, >40%	B	A	D	D	B	A	B	B	A	D	D	B	C
Phosphoric Acid Anhydride		A		D							A		
Phosphoric Acid, crude	B	A		D	B	D	D	B	A	D	D	B	C
Phosphoric Acid, molten				D			A				A		
Photo Developer	A		A		A	C	C		A	A	A	B	A
Phthalic Acid			A										
Phthalic Anhydride					A	A	A	A	A	B	A	A	
Picric Acid	A				B	B	B	A	A	B	B	B	D
Plating Solutions:													
Antimony 130F	B		A			A	B	A	A	A		A	
Arsenic Plating 110F	B		A			A	B	A	A	A		A	
Reg Brass Bath 100F	B		A			A	B	A	A	A		A	
Hi Speed Brass Bath		B					B	A	A	A			
Cu-Cd Bronze RT		B				A	B	A	A	A			A
Cu-Sn Bronze bath 160F		C				A	C	A	A	A			A
Cu-Zn Bronze bath 100F		B				A	B	A	A	A			
Cyanide bath 90F		B					B	A	A	A			
Fluoroborate bath 100F		B				A	B	A	A	B			
Chromic-Sulfuric bath		C					D	A	C	D			
Fluosilicate bath		C					D	A	C	D			

Rating Guide	Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Fluoride bath 130F		C					D	A	C	D			
Black Chrome bath 115F		C					D	A	C	C			
Barrell Chrome bath 95F		C					D	A	C	D			
Cu Strike bath 120F		B							A	A			
Rochelle Salt bath 150F		C					C	A	A	A			
Hi Speed bath 180F		C					C	A	A	A			
Cu Sulfate RT		D					D	A	A	A			
Cu Fluoborate bath		D				A	D	A	A	B			
Cu Pyrophosphate		B					B	A	A	A			
Cu electroless		B					B	A	A	D			
Gold Cyanide 150F		D							A	A			
Gold - Neutral 75F		A							A	A			
Gold - Acid 75F		A							A	A			
Indium Sulfamate Plate RT		A							A	A			
Ferrous Chloride bath		D							A	B			
Ferrous Sulfate bath		D							A	A			
Ferrous Am Sulfate bath		D							A	A			
Sulfate-Chloride bath					D				A	B			
Fluoborate bath					D				A	B			
Sulfamate					D				A	A			
Lead Fluoborate plating					C				A	B			
Nickel - Watts type 115-160F					C				A	A			
Nickel - Hi Chloride 130-160F					C				A	A			
Nickel - Fluoborate 100-170F					C				A	B			

Rating Guide													
	Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
A Good					C				A	A			
B Fair									A	D			
C Questionable					D				A	A		A	
D Poor					A				A	A		A	
Blank Insufficient Data					C				A	B			
					C				A	B			
					D				A	A			
					C				A	A			
					C				A	B			
					A				A	A			
			A										
					A	A		C	A	A			
					B	B	B	D	A	A			
			A		B	C	B	B	A	A		A	
					B	B	B	D	A	A		A	
					B	B	B	B	A	C		A	
		A	A	D	B	A	B	D	A	A		A	A
					B	B	B	B	A	A		A	
	A			B	B	B	D	A	A		A	A	
	C	C		B	B	B	B	A	A		A	A	
	A			B	B	C	B	A	A		A		
	A	C	D	B	B	B	D	B	B		A	C	
	A	A		B	B	B	B	A	A		A	A	
	A	A		B	B	B	B	A	C		A		

	Rating Guide		Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
	A	Good													
Potassium Sulfate	A					B	B	B	D	A	A	A	A	A	A
Potassium Sulfide						A	B	B		A	A		A	A	
Propane, liquified	A	A	A	A	A	A	A	A	A	A	A	A		D	D
Propylene Glycol	C					B	B		B	A	A				
Pyridine	A					A	A	B	B	D	D		B	D	
Pyrogallic Acid	A					B	B	B	B	A					
Pyruvic Acid				A											
Rosins	A					A	A	B	B		A				
Rum	A					A	A			A	A				
Rust Inhibitors	A					A	A			A	A				
Salad Dressings	A					A	A		B	A	A				
Salicylic Acid				A											
Sea Water	A					A	C	C	B	A	A		A	A	
Shellac, bleached	A					A	A	A	A		A				
Shellac, orange	A					A	A	A	A		A				
Silane				A											
Silicone	A	A		A		B			A	A	A		A	C	
Silver Bromide	A					A	D	D	D						
Silver Nitrate	A					B	B	B	D	A	B		A	A	
Soap Solutions	A	B	A	A	A	A	A	A	C	A	A	A	A	A	A
Soda Ash															
Sodium Acetate	A					B	B	B	B	D	B	B	A	D	
Sodium Aluminate	A					A	A			A	A	A	A		
Sodium Bicarbonate	A					B	A	B	D	A	B	B	A	D	

Rating Guide													
	Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
A Good													
B Fair													
C Questionable													
D Poor													
Blank Insufficient Data													
Sodium Bisulfate	A				B	D	D	D	A	B	C	A	
Sodium Bisulfite	A				B	B	C	D	A	A	A	A	A
Sodium Borate	A				B	C	A	C	A	A	A	A	A
Sodium Carbonate	C		A		A	B	B	D	A	A	A	A	A
Sodium Chlorate	A		A		B	B	B	C	A	C	A	A	
Sodium Chloride	A	A		D	C	B	C	C	A	A	A	A	
Sodium Chromate	C				B	B	B	B	A	A	A		A
Sodium Cyanide	A				A	B	A	D	A	A	A	A	
Sodium Ferrocyanide									A				A
Sodium Fluoride	A				D	D	C	B	A	A	D	A	
Sodium Hydrogen Carbonate			A										
Sodium Hydrogen Sulfate			A										
Sodium Hydrosulfite			A					A	A		A		
Sodium Hydroxide, 20%	A	D	A		A	B	A	D	B	B	B	A	B
Sodium Hydroxide, 50%	B	D	D		B	B	B	D	B	B	B	A	B
Sodium Hydroxide, 80%	A		D		C	B	B	D	B	B	B	A	C
Sodium hypochlorite, <20%	C		C		C	C	D	D	A	B	B	B	B
Sodium Hypochlorite, 100%	D				D	D	D	D	A	B	B	B	B
Sodium Hypophosphite			A										
Sodium Hyposulfate	C				A	A		D			C		
Sodium Lignosulfonate		A											
Sodium Metaphosphate	A				A	A	B	C	A	A		A	
Sodium Metasilicate	A				A	A	A	D	A	A		A	
Sodium Nitrate	A	A			B	B	B	B	A	B		A	D

Rating Guide													
	Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
A Good													
B Fair													
C Questionable													
D Poor													
Blank Insufficient Data													
Sodium Nitrilotriacetate		A											
Sodium Oleate		A											
Sodium Perborate	B			B	B	B	C	A	B		A	B	
Sodium Peroxide	C			A	A	B	C	A	B		A	D	
Sodium Polyphosphate	A			B	B	B	D	A	A		A	D	
Sodium Silicate	A			A	B	B	D	A	A		A		
Sodium Sulfate	A	A		B	B	D	A	A	A		A	A	
Sodium Sulfide	A			B	D	D	D	A	A		A	A	
Sodium Sulfite	A			B	A	C	C	A	A		A	A	
Sodium Tetraborate	A			A	A	C	C	A	A				
Sodium Thiosulfate	A			A	B	C	A	A	B		A	A	
Sorghum	A			A	A			A	A				
Soy Sauce	A			A	A		A	A	A				
Stannic Chloride	A			D	D	D	D	A	A		B	B	
Stannic Fluoborate	A			A				A	A				
Stannous Chloride	A			A	C	C	D	A	A		A	B	
Starch	A			A	A		A	A	C		A		
Stearic Acid	B	A		A	B	B	B	A	B		B	B	
Stoddard Solvent	A			A	A		A	A	A		D	D	
Styrene	A			A	A		A	B	D		D	D	
Sugar, liquids	A			A	A	A	A	A	A		A	A	
Sulfate, liquors	A			B	D	A	D	A	A		A		
Sulfur Chloride	C			D	D	D	D	A	D		D	D	C
Sulfur Dioxide	A	B	A	B	A	D	D	B	A	D	B	A	B

	Rating Guide		Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
	A	Good													
Sulfur Dioxide, dry	A		A		A		A	D	D	B	A	D	D	A	B
Sulfur Hexafluoride					A						C	B		A	B
Sulfur Trioxide	A						C	A		A	A	D	D	B	B
Sulfur Trioxide, dry	A						A	D	D	A	A	D	D	B	B
Sulfuric Acid, <10%	A	A	A	A	D	B	D	C	C	D	A	D	B	B	D
Sulfuric Acid, 10-75%	A	A			D	D	D	D	D	D	A	D	C	B	D
Sulfuric Acid, 75-100%	C				D	D	C	D	D	D	A	D	D	B	D
Sulfuric Acid, hot conc	D				D	D	C	D	B	D	A	D	D	D	D
Sulfuric Acid, cold conc	D				D	B	C	C	C	B	A	D	D	B	D
Sulfurous Acid	A	A				B	B	B	B	B	A	B	B	B	D
Sulfuryl Chloride	A														
Tallow	A					A	A			A	A	A			
Tannic Acid	A	B			A	A	B	B	B	C	A	A	B	A	B
Tanning Liquors	A					A	A			A	A	A	A	B	
Tartaric Acid	A				A		C	C	C	B	A	A	B	B	A
Tetrachloroethane	A						A	B		C	A	D			
Tetrachloroethylene					C		A				A	D	D	D	
Tetrachloromethane					A										
Tetrahydrofuran	A				A		A	A			D	D	D	B	B
Tetralin					A										
Tetramethylenesulfone					A										
Tin Salts							D			D				B	D
Toluene	B	D	A			A	A	A	A	A	A	D	D	D	
Tomato Juice	A					A	A	C	A			A	A		D

	Rating Guide		Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
	A	Good													
Trichloroacetic Acid	D		D		D		C	D	D	D	C			B	D
Trichloroethane	A		A		A		A	B		C	A	D	D	D	D
Trichlorethano					D										
Trichloroethylene	C		D		D		B	B	B	A	A	C	D	D	
Trichloropropane	A						A	A	A		A	A	D		C
Trichlorotrifluoroethane					A										
Tricresylphosphate	A						A	B		D	B	D	D	A	
Trietanolamine					A										
Triethylamine	A						A				A	A	B		A
Trifluoroethano					D										
Trisodium Phosphate	A						B	A	B	D			A	A	D
Turpentine	B		B	A	A	A	A	A	B	A	A	A	D	D	B
Urea			A				A	A		B			D	A	
Uric Acid					A		B	A	A	D			A		
Urine	A		A		A		A	A		B	A	A	D	A	D
Varnish	A						A	A	A	A	A	B	D	D	
Vegetable Juice	A						C	A		A	A	C	C		
Vinegar	A						A	A	A	B	A	B	B	A	A
Vinyl Bromide					A										
Vinyl Chloride					A										
Vinyl Fluoride					A										
Water, Acid, Mine	A						A	A	C	C	A	A	C	A	B
Water, distilled	A						A	A	A	A	A	A	A	A	
Water, fresh	A		A		A		A	A	A	B	A	A		A	B

Rating Guide													
	Epoxy	Polycarbonate	PBT	Brass	316 SS	304SS	400SS	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
A Good													
B Fair													
C Questionable													
D Poor													
Blank Insufficient Data													
Water, salt	A			B	B	C	B	A	A			A	
Weed killers	A			A	A		C	A	A				
Whey	A			A	A		B	A	A				
Whiskey & Wines	B			A	A	C	C	A	A			A	A
White Liquor, pulp mill	A			A	B			A	A				
White Water, pulp mill	A			A	A			A					
Xylene	A	C		A	A	A	A	A	D			D	D
Zinc Bromide		A											
Zinc Chloride	A	A		D	D	D	D	A	A			A	
Zinc Hydrosulfite	A			A	A		D		A			A	
Zinc Iodide		A											
Zinc Nitrate		A											
Zinc Sulfate	A			B	B	C	D	A	A			A	A
Zinc Thiocyanate		A											