



MATERIAL COMPATIBILITY

RATINGS

A - Excellent
 B - Good: Minor Effect
 C - Fair: Moderate Effect
 D - Severe Effect
 E - Information not available

FOOTNOTES

¹ Satisfactory to 72°F (22°C)
² Satisfactory to 120°F (48°C)

CHEMICAL	LDPE	PEFFKM-1026	VITON	SILICONE	PVDF	PTFE	304SS	316SS
Acetaldehyde	C - Fair	A - Excellent	D - Poor	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent
Acetamide	A - Excellent	A - Excellent	B - Good	B - Good	C - Fair	A - Excellent	B - Good	A - Excellent
Acetate Solvent	A - Excellent	C - Fair	D - Poor	C - Fair	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Acetic Acid	A2 - Excellent	C - Fair	B - Good	C - Fair	C - Fair	A - Excellent	D - Poor	B - Good
Acetic Acid 20%	A - Excellent	A - Excellent	B - Good	B - Good	A - Excellent	A - Excellent	B - Good	A - Excellent
Acetic Acid 80%	D - Poor	C - Fair	B - Good	B - Good	C - Fair	A - Excellent	D - Poor	B - Good
Acetic Acid, Glacial	D - Poor	C - Fair	D - Poor	B - Good	A1 - Excellent	A - Excellent	C - Fair	A - Excellent
Acetic Anhydride	D - Poor	A - Excellent	D - Poor	C - Fair	B1 - Good	A - Excellent	B - Good	A - Excellent
Acetone	B1 - Good	A - Excellent	D - Poor	D - Poor	D - Poor	A - Excellent	A - Excellent	A - Excellent
Acetyl Bromide	D - Poor	A - Excellent	N/A	N/A	N/A	A - Excellent	N/A	N/A
Acetyl Chloride (dry)	D - Poor	A - Excellent	A - Excellent	C - Fair	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent
Acetylene	D - Poor	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Acrylonitrile	A - Excellent	A - Excellent	D - Poor	D - Poor	A1 - Excellent	A - Excellent	A1 - Excellent	A1 - Excellent
Adipic Acid	A - Excellent	A - Excellent	A2 - Excellent	N/A	A2 - Excellent	A - Excellent	A1 - Excellent	A2 - Excellent
Alcohols: Amyl	B2 - Good	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Alcohols: Benzyl	D - Poor	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	B - Good	B - Good
Alcohols: Butyl	A - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Alcohols: Diacetone	B1 - Good	A - Excellent	D - Poor	D - Poor	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent
Alcohols: Ethyl	B - Good	A - Excellent	A - Excellent	B - Good	N/A	A - Excellent	A - Excellent	A - Excellent
Alcohols: Hexyl	A - Excellent	A - Excellent	C - Fair	B - Good	N/A	A - Excellent	A - Excellent	A - Excellent
Alcohols: Isobutyl	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	N/A	A2 - Excellent	A - Excellent	A - Excellent
Alcohols: Isopropyl	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	N/A	A2 - Excellent	B - Good	B - Good
Alcohols: Methyl	A1 - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Alcohols: Octyl	A - Excellent	A - Excellent	B - Good	B - Good	N/A	N/A	A - Excellent	A - Excellent
Alcohols: Propyl	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent
Aluminum Chloride	B2 - Good	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	B - Good	B - Good
Aluminum Chloride 20%	B2 - Good	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	D - Poor	C1 - Fair
Aluminum Fluoride	A2 - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	D - Poor	D - Poor
Aluminum Hydroxide	A2 - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	A1 - Excellent	C1 - Fair
Aluminum Nitrate	A2 - Excellent	A - Excellent	A2 - Excellent	B1 - Good	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent
Aluminum Potassium Sulfate 10%	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent
Aluminum Potassium Sulfate 100%	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	D - Poor	B2 - Good
Aluminum Sulfate	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B2 - Good
Alums	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent	N/A	A - Excellent	N/A	A - Excellent
Amines	C1 - Fair	A - Excellent	D - Poor	B - Good	N/A	A2 - Excellent	A - Excellent	A - Excellent
Ammonia 10%	C1 - Fair	N/A	D - Poor	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Ammonia Nitrate	A - Excellent	N/A	D - Poor	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Ammonia, anhydrous	B2 - Good	A - Excellent	D - Poor	C - Fair	A - Excellent	A - Excellent	A - Excellent	A2 - Excellent
Ammonia, liquid	C1 - Fair	N/A	D - Poor	N/A	A - Excellent	A - Excellent	B2 - Good	A2 - Excellent
Ammonium Acetate	A - Excellent	A - Excellent	A - Excellent	N/A	N/A	A - Excellent	B - Good	A - Excellent
Ammonium Bifluoride	A2 - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	D - Poor	B1 - Good
Ammonium Carbonate	B2 - Good	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	B - Good	B - Good
Ammonium Caseinate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	A - Excellent
Ammonium Chloride	A2 - Excellent	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	C - Fair	B2 - Good
Ammonium Hydroxide	A1 - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent	A1 - Excellent
Ammonium Nitrate	A1 - Excellent	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	A1 - Excellent	A - Excellent
Ammonium Oxalate	N/A	A - Excellent	N/A	N/A	N/A	N/A	A - Excellent	A - Excellent
Ammonium Persulfate	A2 - Excellent	A - Excellent	A - Excellent	D - Poor	A1 - Excellent	A1 - Excellent	A - Excellent	B - Good
Ammonium Phosphate, Dibasic	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A2 - Excellent	B - Good	C - Fair
Ammonium Phosphate, Monobasic	A - Excellent	A - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	B - Good	C - Fair
Ammonium Phosphate, Tribasic	C - Fair	A - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	B - Good	B - Good
Ammonium Sulfate	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B - Good
Ammonium Sulfite	B2 - Good	A - Excellent	D - Poor	N/A	N/A	A2 - Excellent	B - Good	B - Good
Ammonium Thiosulfate	A - Excellent	A - Excellent	N/A	N/A	N/A	N/A	N/A	A - Excellent
Amyl Acetate	C1 - Fair	A - Excellent	D - Poor	D - Poor	A2 - Excellent	A - Excellent	A1 - Excellent	A - Excellent
Amyl Alcohol	B2 - Good	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Amyl Chloride	D - Poor	A - Excellent	B1 - Good	D - Poor	A - Excellent	A - Excellent	A2 - Excellent	A2 - Excellent
Aniline	C - Fair	A - Excellent	A - Excellent	B - Good	A1 - Excellent	A - Excellent	A - Excellent	B - Good

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CHEMICAL	LDPE	PEFFKM-1026	VITON	SILICONE	PVDF	PTFE	304SS	316SS
Aniline Hydrochloride	D - Poor	A - Excellent	A - Excellent	D - Poor	A2 - Excellent	A - Excellent	D - Poor	D - Poor
Antifreeze	N/A	A - Excellent	A - Excellent	C - Fair	N/A	N/A	N/A	A - Excellent
Antimony Trichloride	B2 - Good	A - Excellent	A2 - Excellent	N/A	A - Excellent	A - Excellent	D - Poor	D - Poor
Aqua Regia (80% HCl, 20% HNO3)	B1 - Good	A - Excellent	B - Good	D - Poor	A2 - Excellent	A - Excellent	D - Poor	D - Poor
Arochlor 1248	C1 - Fair	A - Excellent	A - Excellent	B - Good	N/A	A - Excellent	B - Good	B - Good
Aromatic Hydrocarbons	C - Fair	A - Excellent	A - Excellent	D - Poor	N/A	N/A	N/A	C - Fair
Arsenic Acid	B2 - Good	A - Excellent	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A2 - Excellent	A2 - Excellent
Arsenic Salts	B - Good	N/A	A - Excellent	N/A	N/A	N/A	N/A	N/A
Asphalt	A1 - Excellent	N/A	A - Excellent	D - Poor	A - Excellent	A1 - Excellent	B - Good	A - Excellent
Barium Carbonate	B2 - Good	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	B1 - Good	B - Good
Barium Chloride	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent	A1 - Excellent
Barium Cyanide	B - Good	A - Excellent	A - Excellent	N/A	N/A	A1 - Excellent	A1 - Excellent	A2 - Excellent
Barium Hydroxide	B2 - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B1 - Good	B - Good
Barium Nitrate	B2 - Good	A - Excellent	A - Excellent	B - Good	N/A	A1 - Excellent	B1 - Good	B - Good
Barium Sulfate	B2 - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B1 - Good	B1 - Good
Barium Sulfide	B2 - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B1 - Good	B2 - Good
Beer	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Beet Sugar Liquids	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent	A - Excellent	A - Excellent
Benzaldehyde	A1 - Excellent	A - Excellent	D - Poor	D - Poor	A2 - Excellent	A1 - Excellent	B - Good	B - Good
Benzene	C1 - Fair	A - Excellent	A - Excellent	D - Poor	A2 - Excellent	A - Excellent	B - Good	B - Good
Benzene Sulfonic Acid	A1 - Excellent	A - Excellent	A - Excellent	D - Poor	N/A	A - Excellent	B - Good	B - Good
Benzoic Acid	A1 - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A2 - Excellent	B - Good	B - Good
Benzol	C1 - Fair	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A1 - Excellent	A1 - Excellent
Benzonitrile	N/A	N/A	N/A	A1 - Excellent	N/A	A2 - Excellent	D - Poor	D - Poor
Benzyl Chloride	N/A	A - Excellent	A2 - Excellent	D - Poor	N/A	N/A	C1 - Fair	B1 - Good
Bleaching Liquors	A1 - Excellent	N/A	A - Excellent	B - Good	N/A	A - Excellent	N/A	N/A
Borax (Sodium Borate)	A2 - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Boric Acid	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B2 - Good	A1 - Excellent
Brewery Slop	N/A	N/A	A - Excellent	N/A	N/A	N/A	N/A	A - Excellent
Bromine	D - Poor	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	D - Poor	D - Poor
Butadiene	D - Poor	A - Excellent	B - Good	D - Poor	A - Excellent	A2 - Excellent	A - Excellent	A1 - Excellent
Butane	C1 - Fair	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A2 - Excellent	A2 - Excellent
Butanol (Butyl Alcohol)	B2 - Good	A - Excellent	A - Excellent	B - Good	A - Excellent	A2 - Excellent	A - Excellent	A1 - Excellent
Butter	N/A	A - Excellent	A - Excellent	B - Good	N/A	A - Excellent	C - Fair	A - Excellent
Buttermilk	A1 - Excellent	N/A	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent
Butyl Amine	C1 - Fair	A - Excellent	D - Poor	B1 - Good	A1 - Excellent	A2 - Excellent	N/A	A - Excellent
Butyl Ether	N/A	N/A	D - Poor	D - Poor	A1 - Excellent	A1 - Excellent	N/A	A1 - Excellent
Butyl Phthalate	C1 - Fair	A - Excellent	C1 - Fair	A1 - Excellent	B1 - Good	A2 - Excellent	B1 - Good	B2 - Good
Butylacetate	C1 - Fair	A - Excellent	D - Poor	D - Poor	B2 - Good	A - Excellent	B - Good	A - Excellent
Butylene	B1 - Good	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Butyric Acid	D - Poor	A - Excellent	B1 - Good	D - Poor	A - Excellent	A2 - Excellent	B2 - Good	B2 - Good
Calcium Bisulfate	N/A	N/A	N/A	C - Fair	N/A	N/A	N/A	A - Excellent
Calcium Bisulfide	B1 - Good	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	B - Good	B - Good
Calcium Bisulfite	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent
Calcium Carbonate	B1 - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent	B - Good
Calcium Chlorate	N/A	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	N/A	N/A
Calcium Chloride	B2 - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	C2 - Fair	B2 - Good
Calcium Hydroxide	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A2 - Excellent	A - Excellent	B1 - Good	B - Good
Calcium Hypochlorite	A1 - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	C1 - Fair	B1 - Good
Calcium Nitrate	A1 - Excellent	A - Excellent	A2 - Excellent	B1 - Good	A2 - Excellent	A2 - Excellent	C1 - Fair	B2 - Good
Calcium Oxide	B1 - Good	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Calcium Sulfate	B1 - Good	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	B - Good	B - Good
Calgon	N/A	N/A	A - Excellent	A - Excellent	N/A	N/A	A - Excellent	A - Excellent
Cane Juice	N/A	N/A	A - Excellent	A - Excellent	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent
Carbolic Acid (Phenol)	D - Poor	A - Excellent	A - Excellent	D - Poor	A1 - Excellent	A - Excellent	B - Good	B - Good
Carbon Bisulfide	N/A	A - Excellent	A - Excellent	N/A	N/A	N/A	A - Excellent	B - Good
Carbon Dioxide (dry)	A1 - Excellent	A - Excellent	B - Good	B - Good	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent
Carbon Dioxide (wet)	A1 - Excellent	A - Excellent	B - Good	B - Good	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent

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Carbon Disulfide	C1 - Fair	A - Excellent	A1 - Excellent	N/A	B2 - Good	A - Excellent	A1 - Excellent	B - Good
Carbon Monoxide	A2 - Excellent	A - Excellent	A - Excellent	A2 - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent
Carbon Tetrachloride	D - Poor	A - Excellent	A - Excellent	D - Poor	A2 - Excellent	A - Excellent	B - Good	B - Good
Carbon Tetrachloride (dry)	D - Poor	N/A	A2 - Excellent	D - Poor	A2 - Excellent	A - Excellent	B - Good	B2 - Good
Carbon Tetrachloride (wet)	N/A	N/A	N/A	D - Poor	A2 - Excellent	A - Excellent	A2 - Excellent	A2 - Excellent
Carbonated Water	A - Excellent	N/A	A - Excellent	N/A	N/A	N/A	A - Excellent	A - Excellent
Carbonic Acid	B2 - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent	A - Excellent
Catsup	N/A	N/A	A - Excellent	N/A	N/A	N/A	A - Excellent	A - Excellent
Chloric Acid	N/A	N/A	N/A	N/A	N/A	A - Excellent	D - Poor	C1 - Fair
Chlorinated Glue	N/A	N/A	A - Excellent	N/A	N/A	N/A	N/A	A - Excellent
Chlorine (dry)	D - Poor	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A1 - Excellent	B - Good
Chlorine Water	B1 - Good	N/A	A - Excellent	D - Poor	B - Good	A - Excellent	C - Fair	C - Fair
Chlorine, Anhydrous Liquid	D - Poor	A - Excellent	A - Excellent	D - Poor	A1 - Excellent	A - Excellent	C1 - Fair	C - Fair
Chloroacetic Acid	D - Poor	A - Excellent	D - Poor	D - Poor	A1 - Excellent	A - Excellent	B1 - Good	A1 - Excellent
Chlorobenzene (Mono)	C1 - Fair	A - Excellent	A - Excellent	D - Poor	A1 - Excellent	B - Good	A - Excellent	B - Good
Chlorobromomethane	A - Excellent	A - Excellent	A - Excellent	D - Poor	N/A	A - Excellent	N/A	N/A
Chloroform	C1 - Fair	A - Excellent	A - Excellent	D - Poor	A - Excellent	A1 - Excellent	A - Excellent	A - Excellent
Chlorosulfonic Acid	D - Poor	A - Excellent	D - Poor	D - Poor	D - Poor	A - Excellent	D - Poor	B2 - Good
Chocolate Syrup	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Chromic Acid 10%	D - Poor	A - Excellent	B - Good	C - Fair	A - Excellent	A - Excellent	B - Good	B - Good
Chromic Acid 30%	D - Poor	A - Excellent	A - Excellent	C - Fair	A2 - Excellent	A - Excellent	B2 - Good	B2 - Good
Chromic Acid 5%	D - Poor	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	B - Good	A - Excellent
Chromic Acid 50%	D - Poor	A - Excellent	A - Excellent	C - Fair	A2 - Excellent	A - Excellent	C - Fair	B2 - Good
Chromium Salts	B - Good	A - Excellent	N/A	N/A	N/A	N/A	N/A	N/A
Cider	B - Good	N/A	A - Excellent	B1 - Good	N/A	N/A	A - Excellent	A - Excellent
Citric Acid	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B1 - Good	A2 - Excellent
Citric Oils	N/A	N/A	A - Excellent	N/A	N/A	N/A	A - Excellent	A - Excellent
Cloroxr (Bleach)	N/A	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Coffee	N/A	N/A	A - Excellent	A - Excellent	N/A	N/A	A - Excellent	A - Excellent
Copper Chloride	N/A	A - Excellent	A - Excellent	A1 - Excellent	A - Excellent	A - Excellent	D - Poor	D - Poor
Copper Cyanide	B2 - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B - Good
Copper Fluoborate	N/A	N/A	A - Excellent	N/A	N/A	N/A	D - Poor	D - Poor
Copper Nitrate	B2 - Good	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A2 - Excellent
Copper Sulfate >5%	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B - Good
Copper Sulfate 5%	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B - Good
Cream	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Cresols	C1 - Fair	A - Excellent	A - Excellent	D - Poor	A2 - Excellent	N/A	A2 - Excellent	A - Excellent
Cresylic Acid	B1 - Good	A - Excellent	A - Excellent	D - Poor	B1 - Good	A - Excellent	A1 - Excellent	A - Excellent
Cupric Acid	B1 - Good	N/A	A2 - Excellent	A1 - Excellent	N/A	A - Excellent	D - Poor	B2 - Good
Cyanic Acid	N/A	N/A	A - Excellent	A1 - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent
Cyclohexane	B1 - Good	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A1 - Excellent	A - Excellent
Cyclohexanone	D - Poor	A - Excellent	D - Poor	D - Poor	D - Poor	A - Excellent	A1 - Excellent	A2 - Excellent
Detergents	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent	A1 - Excellent
Diacetone Alcohol	A - Excellent	A - Excellent	D - Poor	D - Poor	D - Poor	A - Excellent	B1 - Good	B - Good
Dichlorobenzene	N/A	N/A	C - Fair	D - Poor	A - Excellent	A - Excellent	N/A	B1 - Good
Dichloroethane	C1 - Fair	A - Excellent	C - Fair	N/A	A - Excellent	A1 - Excellent	B - Good	B - Good
Diesel Fuel	C1 - Fair	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A1 - Excellent	A1 - Excellent
Diethyl Ether	N/A	A - Excellent	D - Poor	D - Poor	A1 - Excellent	A - Excellent	B1 - Good	B2 - Good
Diethylamine	D - Poor	A - Excellent	A - Excellent	B - Good	D - Poor	D - Poor	A - Excellent	A - Excellent
Diethylene Glycol	B2 - Good	A - Excellent	A2 - Excellent	B1 - Good	A - Excellent	A2 - Excellent	A1 - Excellent	A - Excellent
Dimethyl Aniline	N/A	A - Excellent	D - Poor	D - Poor	A1 - Excellent	A - Excellent	B2 - Good	B2 - Good
Dimethyl Formamide	A - Excellent	A - Excellent	C - Fair	C - Fair	D - Poor	A - Excellent	A - Excellent	B - Good
Diphenyl	N/A	A - Excellent	A2 - Excellent	D - Poor	N/A	A - Excellent	B - Good	B - Good
Diphenyl Oxide	N/A	A - Excellent	A - Excellent	C - Fair	B2 - Good	A1 - Excellent	B1 - Good	A - Excellent
Dyes	N/A	N/A	A - Excellent	N/A	N/A	N/A	A - Excellent	A - Excellent
Epsom Salts (Magnesium Sulfate)	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good
Ethane	N/A	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent
Ethanol	B - Good	A - Excellent	A - Excellent	B - Good	N/A	A - Excellent	A - Excellent	A - Excellent

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Ether	D - Poor	A - Excellent	C - Fair	D - Poor	B1 - Good	A - Excellent	A - Excellent	A - Excellent
Ethyl Acetate	A - Excellent	A - Excellent	D - Poor	B - Good	D - Poor	A - Excellent	B - Good	B - Good
Ethyl Benzoate	C2 - Fair	A - Excellent	A1 - Excellent	D - Poor	D - Poor	A - Excellent	N/A	N/A
Ethyl Chloride	C1 - Fair	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Ethyl Ether	D - Poor	A - Excellent	D - Poor	D - Poor	A2 - Excellent	A - Excellent	B - Good	B - Good
Ethyl Sulfate	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	D - Poor	D - Poor
Ethylene Bromide	D - Poor	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Ethylene Chloride	D - Poor	A - Excellent	B - Good	D - Poor	A - Excellent	A - Excellent	B - Good	B - Good
Ethylene Chlorohydrin	D - Poor	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	B - Good	B - Good
Ethylene Diamine	A - Excellent	A - Excellent	B - Good	A - Excellent	B - Good	A - Excellent	B1 - Good	B - Good
Ethylene Dichloride	D - Poor	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	B - Good	B - Good
Ethylene Glycol	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B - Good
Ethylene Oxide	A - Excellent	A - Excellent	D - Poor	D - Poor	A - Excellent	A - Excellent	B - Good	B - Good
Fatty Acids	D - Poor	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	B - Good	A - Excellent
Ferric Chloride	A1 - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	D - Poor	D - Poor
Ferric Nitrate	A2 - Excellent	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	B - Good	B - Good
Ferric Sulfate	A2 - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	B1 - Good	A - Excellent
Ferrous Chloride	A2 - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	D - Poor	D - Poor
Ferrous Sulfate	A2 - Excellent	A - Excellent	B - Good	N/A	A - Excellent	A - Excellent	B - Good	B - Good
Fluoboric Acid	A2 - Excellent	A - Excellent	B - Good	N/A	A1 - Excellent	A - Excellent	B - Good	B - Good
Fluorine	D - Poor	B - Good	C - Fair	D - Poor	A1 - Excellent	D - Poor	C - Fair	A - Excellent
Fluosilicic Acid	A2 - Excellent	A - Excellent	B1 - Good	N/A	A1 - Excellent	A - Excellent	C - Fair	B - Good
Formaldehyde 100%	B - Good	A - Excellent	D - Poor	B - Good	A - Excellent	A - Excellent	C - Fair	A - Excellent
Formaldehyde 40%	D - Poor	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	A1 - Excellent	A - Excellent
Formic Acid	D - Poor	A - Excellent	C - Fair	B - Good	A - Excellent	A - Excellent	B1 - Good	A1 - Excellent
Freon 113	N/A	C - Fair	B - Good	D - Poor	B - Good	A - Excellent	N/A	N/A
Freon 12	A1 - Excellent	C - Fair	B - Good	D - Poor	A - Excellent	A - Excellent	B1 - Good	B - Good
Freon 22	N/A	C - Fair	D - Poor	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Freon TF	N/A	C - Fair	B - Good	D - Poor	B - Good	A - Excellent	A - Excellent	A - Excellent
Freonr 11	C - Fair	C - Fair	B - Good	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Fruit Juice	A - Excellent	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Fuel Oils	B - Good	A - Excellent	A - Excellent	D - Poor	B - Good	B - Good	A - Excellent	A - Excellent
Furan Resin	D - Poor	A - Excellent	D - Poor	D - Poor	D - Poor	A - Excellent	A1 - Excellent	A - Excellent
Furfural	D - Poor	A - Excellent	D - Poor	D - Poor	B2 - Good	A - Excellent	A - Excellent	B - Good
Gallic Acid	A - Excellent	A - Excellent	A - Excellent	D - Poor	A1 - Excellent	B - Good	A - Excellent	B - Good
Gasoline (high-aromatic)	A - Excellent	N/A	A - Excellent	D - Poor	A - Excellent	B - Good	A - Excellent	A - Excellent
Gasoline, leaded, ref.	N/A	N/A	A1 - Excellent	D - Poor	A - Excellent	A - Excellent	A1 - Excellent	A2 - Excellent
Gasoline, unleaded	N/A	A - Excellent	A1 - Excellent	D - Poor	A - Excellent	A - Excellent	A1 - Excellent	A2 - Excellent
Gelatin	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A2 - Excellent	A2 - Excellent
Glucose	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent	A - Excellent
Glue, P.V.A.	A1 - Excellent	A - Excellent	B - Good	A - Excellent	N/A	A - Excellent	A1 - Excellent	A2 - Excellent
Glycerin	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A2 - Excellent	A - Excellent
Glycolic Acid	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent
Gold Monocyanide	N/A	N/A	A - Excellent	N/A	A - Excellent	D - Poor	A - Excellent	A - Excellent
Grape Juice	B - Good	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Grease	N/A	N/A	A - Excellent	D - Poor	A - Excellent	A - Excellent	N/A	A - Excellent
Heptane	B1 - Good	N/A	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Hexane	D - Poor	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Honey	B - Good	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Hydraulic Oil (Petro)	C - Fair	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Hydraulic Oil (Synthetic)	A - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Hydrazine	N/A	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Hydrobromic Acid 100%	B1 - Good	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	D - Poor	D - Poor
Hydrobromic Acid 20%	B2 - Good	N/A	A - Excellent	D - Poor	A - Excellent	N/A	D - Poor	D - Poor
Hydrochloric Acid 100%	N/A	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	D - Poor	D - Poor
Hydrochloric Acid 20%	A2 - Excellent	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	D - Poor	D - Poor
Hydrochloric Acid 37%	B2 - Good	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	D - Poor	D - Poor

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Hydrochloric Acid, Dry Gas	A2 - Excellent	A - Excellent	N/A	N/A	A - Excellent	A - Excellent	D - Poor	D - Poor
Hydrocyanic Acid	A2 - Excellent	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	B1 - Good	A - Excellent
Hydrocyanic Acid (Gas 10%)	N/A	A - Excellent	A - Excellent	D - Poor	N/A	A - Excellent	N/A	N/A
Hydrofluoric Acid 100%	N/A	A - Excellent	B - Good	D - Poor	A - Excellent	A - Excellent	B1 - Good	B1 - Good
Hydrofluoric Acid 20%	A2 - Excellent	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	D - Poor	D - Poor
Hydrofluoric Acid 50%	A1 - Excellent	A - Excellent	B - Good	D - Poor	A - Excellent	A - Excellent	D - Poor	D - Poor
Hydrofluoric Acid 75%	C1 - Fair	A - Excellent	B - Good	D - Poor	A - Excellent	A - Excellent	D - Poor	D - Poor
Hydrofluosilicic Acid 100%	B1 - Good	A - Excellent	A - Excellent	D - Poor	A1 - Excellent	A - Excellent	D - Poor	D - Poor
Hydrofluosilicic Acid 20%	B2 - Good	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	C2 - Fair	B1 - Good
Hydrogen Gas	A2 - Excellent	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Hydrogen Peroxide 10%	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B2 - Good	B - Good
Hydrogen Peroxide 100%	C2 - Fair	A - Excellent	A - Excellent	B - Good	A1 - Excellent	A - Excellent	B2 - Good	A2 - Excellent
Hydrogen Peroxide 30%	C2 - Fair	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	B2 - Good	B - Good
Hydrogen Peroxide 50%	C2 - Fair	A - Excellent	A - Excellent	B - Good	A1 - Excellent	A - Excellent	B2 - Good	A2 - Excellent
Hydrogen Sulfide (aqua)	A - Excellent	A - Excellent	D - Poor	C - Fair	A - Excellent	A - Excellent	C - Fair	A - Excellent
Hydrogen Sulfide (dry)	A - Excellent	A - Excellent	D - Poor	C - Fair	A - Excellent	A - Excellent	C1 - Fair	A - Excellent
Hydroquinone	A - Excellent	A - Excellent	B - Good	N/A	N/A	A - Excellent	B - Good	B - Good
Hydroxyacetic Acid 70%	A - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	N/A	N/A
Ink	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	C - Fair	C - Fair
Iodine	A1 - Excellent	A - Excellent	A - Excellent	N/A	A2 - Excellent	A - Excellent	D - Poor	D - Poor
Iodine (in alcohol)	B - Good	N/A	N/A	N/A	A - Excellent	N/A	N/A	N/A
Iodoform	N/A	N/A	N/A	N/A	C - Fair	C - Fair	A - Excellent	A - Excellent
Isooctane	B - Good	A - Excellent	A1 - Excellent	D - Poor	A2 - Excellent	A - Excellent	A1 - Excellent	A1 - Excellent
Isopropyl Acetate	B1 - Good	A - Excellent	D - Poor	D - Poor	D - Poor	A - Excellent	C - Fair	A - Excellent
Isopropyl Ether	B - Good	A - Excellent	D - Poor	D - Poor	D - Poor	A1 - Excellent	A - Excellent	A - Excellent
Isotane	N/A	N/A	A - Excellent	N/A	A - Excellent	N/A	N/A	N/A
Jet Fuel (JP3, JP4, JP5)	D - Poor	A - Excellent	A - Excellent	D - Poor	B - Good	A - Excellent	A - Excellent	A - Excellent
Kerosene	C1 - Fair	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Ketones	C1 - Fair	A - Excellent	D - Poor	N/A	C1 - Fair	A - Excellent	A - Excellent	A - Excellent
Lacquer Thinners	A - Excellent	A - Excellent	D - Poor	D - Poor	N/A	A - Excellent	A1 - Excellent	A - Excellent
Lacquers	A - Excellent	A - Excellent	D - Poor	D - Poor	D - Poor	A - Excellent	A1 - Excellent	A - Excellent
Lactic Acid	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent	B1 - Good	A - Excellent	B1 - Good	B1 - Good
Lard	A - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Latex	N/A	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A2 - Excellent	A2 - Excellent
Lead Acetate	A2 - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	B - Good	B1 - Good
Lead Nitrate	A2 - Excellent	A - Excellent	A2 - Excellent	B1 - Good	A2 - Excellent	A1 - Excellent	B1 - Good	B1 - Good
Lead Sulfamate	A1 - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	B - Good	C - Fair	C - Fair
Ligroin	A - Excellent	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	N/A	A - Excellent
Lime	A - Excellent	N/A	A - Excellent	N/A	A - Excellent	A1 - Excellent	A - Excellent	A - Excellent
Linoleic Acid	A - Excellent	A - Excellent	B1 - Good	B1 - Good	A2 - Excellent	A - Excellent	B - Good	A - Excellent
Lithium Chloride	A2 - Excellent	A - Excellent	A1 - Excellent	A1 - Excellent	A2 - Excellent	A - Excellent	A1 - Excellent	A2 - Excellent
Lithium Hydroxide	N/A	A - Excellent	N/A	N/A	N/A	A - Excellent	B - Good	B - Good
Lubricants	D - Poor	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A2 - Excellent	A2 - Excellent
Lye: Ca(OH)2 Calcium Hydroxide	A2 - Excellent	A - Excellent	B1 - Good	A - Excellent	A2 - Excellent	A - Excellent	B1 - Good	B - Good
Lye: KOH Potassium Hydroxide	A - Excellent	A - Excellent	B - Good	C - Fair	A - Excellent	A - Excellent	B - Good	A1 - Excellent
Lye: NaOH Sodium Hydroxide	D - Poor	A - Excellent	B1 - Good	A1 - Excellent	D - Poor	A - Excellent	B - Good	B1 - Good
Magnesium Bisulfate	N/A	N/A	N/A	N/A	N/A	A - Excellent	A1 - Excellent	A1 - Excellent
Magnesium Carbonate	B - Good	N/A	A - Excellent	N/A	A - Excellent	A1 - Excellent	B - Good	B - Good
Magnesium Chloride	A1 - Excellent	A - Excellent	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	D - Poor	D - Poor
Magnesium Hydroxide	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	A1 - Excellent
Magnesium Nitrate	A2 - Excellent	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	B - Good	B - Good
Magnesium Oxide	N/A	N/A	C - Fair	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Magnesium Sulfate (Epsom Salts)	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good
Maleic Acid	B2 - Good	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	B - Good
Maleic Anhydride	D - Poor	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Malic Acid	B2 - Good	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A2 - Excellent
Manganese Sulfate	A1 - Excellent	A - Excellent	A2 - Excellent	A1 - Excellent	A2 - Excellent	A - Excellent	B - Good	B2 - Good
Mash	A - Excellent	N/A	A - Excellent	N/A	N/A	N/A	A - Excellent	A - Excellent

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Mayonnaise	D - Poor	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	C - Fair	A - Excellent
Melamine	N/A	N/A	A - Excellent	C - Fair	N/A	A - Excellent	N/A	D - Poor
Mercuric Chloride (dilute)	A - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	D - Poor	D - Poor
Mercuric Cyanide	A - Excellent	A - Excellent	A ₁ - Excellent	A - Excellent	A - Excellent	B - Good	C - Fair	C - Fair
Mercurous Nitrate	A - Excellent	A - Excellent	A ₁ - Excellent	N/A	A - Excellent	A - Excellent	A ₁ - Excellent	A ₁ - Excellent
Mercury	A - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Methane	N/A	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Methanol (Methyl Alcohol)	A ₁ - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Methyl Acetate	B ₁ - Good	A - Excellent	D - Poor	D - Poor	B ₁ - Good	A - Excellent	A - Excellent	B - Good
Methyl Acetone	N/A	N/A	D - Poor	N/A	D - Poor	A - Excellent	A - Excellent	A - Excellent
Methyl Acrylate	N/A	A - Excellent	D - Poor	D - Poor	B ₁ - Good	N/A	A - Excellent	N/A
Methyl Alcohol 10%	A ₁ - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Methyl Bromide	C ₁ - Fair	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Methyl Butyl Ketone	N/A	A - Excellent	D - Poor	D - Poor	D - Poor	N/A	A - Excellent	A - Excellent
Methyl Cellosolve	N/A	A - Excellent	D - Poor	D - Poor	A - Excellent	A - Excellent	B - Good	B - Good
Methyl Chloride	C ₁ - Fair	A - Excellent	A ₁ - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Methyl Dichloride	N/A	A - Excellent	A ₁ - Excellent	N/A	D - Poor	N/A	N/A	N/A
Methyl Ethyl Ketone	D - Poor	A - Excellent	D - Poor	D - Poor	D - Poor	A - Excellent	A - Excellent	A - Excellent
Methyl Ethyl Ketone Peroxide	N/A	A - Excellent	D - Poor	B - Good	N/A	N/A	N/A	N/A
Methyl Isobutyl Ketone	C - Fair	A - Excellent	D - Poor	D - Poor	D - Poor	A - Excellent	B - Good	B - Good
Methyl Isopropyl Ketone	D - Poor	A - Excellent	D - Poor	C - Fair	N/A	A - Excellent	A - Excellent	A - Excellent
Methyl Methacrylate	N/A	A - Excellent	D - Poor	C - Fair	B ₁ - Good	N/A	B - Good	B - Good
Methylamine	A ₁ - Excellent	A - Excellent	D - Poor	N/A	C - Fair	A - Excellent	A - Excellent	A - Excellent
Methylene Chloride	D - Poor	A - Excellent	B - Good	N/A	B ₁ - Good	A - Excellent	B - Good	B - Good
Milk	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A ₂ - Excellent	A - Excellent	A - Excellent	A - Excellent
Mineral Spirits	B - Good	N/A	A - Excellent	D - Poor	N/A	A - Excellent	A - Excellent	A - Excellent
Molasses	A - Excellent	N/A	A - Excellent	N/A	B ₁ - Good	A - Excellent	A - Excellent	A - Excellent
Monochloroacetic acid	N/A	A - Excellent	C - Fair	N/A	B ₁ - Good	A ₂ - Excellent	A ₁ - Excellent	A ₁ - Excellent
Monoethanolamine	C - Fair	A - Excellent	D - Poor	B - Good	C - Fair	A - Excellent	A - Excellent	A - Excellent
Morpholine	N/A	A - Excellent	N/A	N/A	B ₁ - Good	A ₂ - Excellent	N/A	A ₁ - Excellent
Motor oil	C ₁ - Fair	A - Excellent	N/A	N/A	B - Good	A - Excellent	A ₁ - Excellent	A ₂ - Excellent
Mustard	A - Excellent	N/A	D - Poor	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Naphtha	A ₁ - Excellent	A - Excellent	A - Excellent	D - Poor	A - Excellent	B - Good	A - Excellent	A - Excellent
Naphthalene	C - Fair	A - Excellent	A - Excellent	D - Poor	A ₂ - Excellent	A - Excellent	A - Excellent	A - Excellent
Natural Gas	A - Excellent	A - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent
Nickel Chloride	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	D - Poor	C - Fair
Nickel Nitrate	A - Excellent	A - Excellent	A ₂ - Excellent	N/A	A ₂ - Excellent	A ₂ - Excellent	B - Good	B ₂ - Good
Nickel Sulfate	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B ₁ - Good
Nitrating Acid (<15% HNO ₃)	N/A	N/A	N/A	N/A	N/A	A - Excellent	C - Fair	D - Poor
Nitrating Acid (>15% H ₂ SO ₄)	N/A	N/A	N/A	N/A	N/A	A - Excellent	C - Fair	C - Fair
Nitrating Acid (51% Acid)	N/A	N/A	N/A	N/A	N/A	A - Excellent	C - Fair	A - Excellent
Nitrating Acid (515% H ₂ SO ₄)	N/A	N/A	N/A	N/A	N/A	A - Excellent	C - Fair	C - Fair
Nitric Acid (20%)	C - Fair	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Nitric Acid (50%)	B ₁ - Good	A - Excellent	A - Excellent	D - Poor	A ₁ - Excellent	A - Excellent	A ₂ - Excellent	A ₁ - Excellent
Nitric Acid (5-10%)	B - Good	A - Excellent	A - Excellent	C - Fair	A ₁ - Excellent	A - Excellent	A - Excellent	A - Excellent
Nitric Acid (Concentrated)	C ₁ - Fair	A - Excellent	A - Excellent	D - Poor	A ₁ - Excellent	A - Excellent	A ₁ - Excellent	A ₁ - Excellent
Nitrobenzene	C ₁ - Fair	A - Excellent	B - Good	D - Poor	A ₁ - Excellent	A - Excellent	B - Good	B - Good
Nitrogen Fertilizer	N/A	N/A	N/A	N/A	N/A	A - Excellent	N/A	N/A
Nitromethane	A - Excellent	A - Excellent	D - Poor	D - Poor	A ₂ - Excellent	A - Excellent	A - Excellent	A ₁ - Excellent
Nitrous Acid	N/A	A - Excellent	B - Good	N/A	B - Good	A - Excellent	B - Good	B - Good
Nitrous Oxide	C - Fair	A - Excellent	B - Good	N/A	D - Poor	A - Excellent	B - Good	B - Good
Oils: Aniline	N/A	N/A	C - Fair	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Anise	N/A	N/A	N/A	N/A	N/A	N/A	N/A	A - Excellent
Oils: Bay	N/A	N/A	A - Excellent	N/A	A - Excellent	N/A	N/A	A - Excellent
Oils: Bone	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	N/A	A - Excellent
Oils: Castor	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Cinnamon	D - Poor	N/A	A - Excellent	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Oils: Citric	A - Excellent	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent

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Oils: Clove	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Oils: Coconut	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Cod Liver	N/A	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Corn	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Cottonseed	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Creosote	C - Fair	A - Excellent	A - Excellent	D - Poor	N/A	A - Excellent	B - Good	B - Good
Oils: Diesel Fuel (20, 30, 40, 50)	A - Excellent	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Fuel (1, 2, 3, 5A, 5B, 6)	B - Good	A - Excellent	B - Good	C - Fair	B - Good	A - Excellent	A - Excellent	A - Excellent
Oils: Ginger	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	D - Poor	D - Poor
Oils: Hydraulic Oil (Petro)	C - Fair	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Hydraulic Oil (Synthetic)	A - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Lemon	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Linseed	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Mineral	B ₁ - Good	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Olive	A ₁ - Excellent	A - Excellent	A - Excellent	D - Poor	N/A	A ₁ - Excellent	A - Excellent	A - Excellent
Oils: Orange	C ₁ - Fair	N/A	A - Excellent	D - Poor	A - Excellent	N/A	A - Excellent	A - Excellent
Oils: Palm	A - Excellent	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Peanut	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Peppermint	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Pine	D - Poor	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Rapeseed	D - Poor	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Rosin	B ₂ - Good	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A ₁ - Excellent	A ₁ - Excellent
Oils: Sesame Seed	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Silicone	A - Excellent	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Soybean	A ₁ - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Sperm (whale)	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Tanning	N/A	N/A	A - Excellent	N/A	A - Excellent	N/A	A - Excellent	A - Excellent
Oils: Transformer	C ₁ - Fair	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oils: Turbine	C - Fair	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oleic Acid	C ₂ - Fair	A - Excellent	B - Good	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Oleum 100%	D - Poor	A - Excellent	A - Excellent	D - Poor	D - Poor	A - Excellent	A - Excellent	A - Excellent
Oleum 25%	D - Poor	A - Excellent	A - Excellent	D - Poor	C ₁ - Fair	A - Excellent	B ₂ - Good	B - Good
Oxalic Acid (cold)	A ₂ - Excellent	A - Excellent	A - Excellent	B - Good	B - Good	A ₁ - Excellent	B - Good	A - Excellent
Ozone	C ₁ - Fair	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent
Palmitic Acid	N/A	A - Excellent	A ₁ - Excellent	D - Poor	A ₂ - Excellent	A ₂ - Excellent	B ₁ - Good	A ₁ - Excellent
Paraffin	B - Good	N/A	B - Good	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Pentane	D - Poor	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	C - Fair	C - Fair
Perchloric Acid	B - Good	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	C - Fair	C - Fair
Perchloroethylene	D - Poor	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	B - Good	A ₁ - Excellent
Petrolatum	B - Good	A - Excellent	A - Excellent	D - Poor	A - Excellent	C - Fair	A - Excellent	A - Excellent
Petroleum	C ₁ - Fair	A - Excellent	A ₂ - Excellent	D - Poor	A - Excellent	A ₂ - Excellent	A ₁ - Excellent	A ₁ - Excellent
Phenol (10%)	B - Good	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	B - Good	B - Good
Phenol (Carbolic Acid)	D - Poor	A - Excellent	A - Excellent	D - Poor	A ₁ - Excellent	A - Excellent	B - Good	B - Good
Phosphoric Acid (>40%)	B ₁ - Good	A - Excellent	A - Excellent	D - Poor	B - Good	A - Excellent	D - Poor	D - Poor
Phosphoric Acid (crude)	B ₁ - Good	N/A	A - Excellent	D - Poor	A - Excellent	A - Excellent	D - Poor	B - Good
Phosphoric Acid (molten)	N/A	N/A	N/A	N/A	D - Poor	N/A	N/A	C - Fair
Phosphoric Acid (540%)	A - Excellent	N/A	A - Excellent	C - Fair	B - Good	A - Excellent	D - Poor	C - Fair
Phosphoric Acid Anhydride	N/A	N/A	N/A	N/A	D - Poor	N/A	N/A	N/A
Phosphorus	B - Good	N/A	N/A	N/A	A ₁ - Excellent	A ₂ - Excellent	A ₂ - Excellent	A ₂ - Excellent
Phosphorus Trichloride	B - Good	A - Excellent	A ₁ - Excellent	N/A	A ₂ - Excellent	A ₂ - Excellent	A ₁ - Excellent	A ₂ - Excellent
Photographic Developer	A - Excellent	A - Excellent	A - Excellent	B - Good	N/A	A - Excellent	A - Excellent	A - Excellent
Photographic Solutions	A - Excellent	A - Excellent	B ₁ - Good	A - Excellent	B ₂ - Good	A ₂ - Excellent	D - Poor	N/A
Phthalic Acid	B ₂ - Good	A - Excellent	A ₁ - Excellent	B ₁ - Good	A ₂ - Excellent	A ₂ - Excellent	B ₂ - Good	A - Excellent
Phthalic Anhydride	N/A	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Picric Acid	A - Excellent	A - Excellent	A - Excellent	D - Poor	A ₁ - Excellent	A - Excellent	B - Good	B - Good
Plating Solutions, Antimony Plating 130°F	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Plating Solutions, Arsenic Plating 110°F	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Plating Solutions, Brass Plating: High-Speed Brass Bath 110°F	B - Good	N/A	A - Excellent	N/A	B - Good	A - Excellent	N/A	A - Excellent

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Plating Solutions, Brass Plating: Regular Brass Bath 100°F	B - Good	N/A	A - Excellent	N/A	B - Good	A - Excellent	A - Excellent	A - Excellent
Plating Solutions, Bronze Plating: Cu-Cd Bronze Bath R.T.	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Plating Solutions, Bronze Plating: Cu-Sn Bronze Bath 160°F	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Plating Solutions, Bronze Plating: Cu-Zn Bronze Bath 100°F	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Plating Solutions, Cadmium Plating: Cyanide Bath 90°F	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	N/A	A - Excellent
Plating Solutions, Cadmium Plating: Fluoborate Bath 100°F	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Plating Solutions, Chromium Plating: Barrel Chrome Bath 95°F	N/A	A - Excellent	C - Fair	N/A	C - Fair	A - Excellent	N/A	D - Poor
Plating Solutions, Chromium Plating: Black Chrome Bath 115°F	N/A	A - Excellent	C - Fair	N/A	C - Fair	A - Excellent	N/A	C - Fair
Plating Solutions, Chromium Plating: Chromic-Sulfuric Bath 130°F	N/A	A - Excellent	C - Fair	N/A	C - Fair	A - Excellent	N/A	C - Fair
Plating Solutions, Chromium Plating: Fluoride Bath 130°F	N/A	A - Excellent	C - Fair	N/A	C - Fair	A - Excellent	N/A	D - Poor
Plating Solutions, Chromium Plating: Fluosilicate Bath 95°F	N/A	A - Excellent	C - Fair	N/A	C - Fair	A - Excellent	N/A	C - Fair
Plating Solutions, Copper Plating (Acid): Copper Fluoborate Bath 120°F	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	D - Poor
Plating Solutions, Copper Plating (Acid): Copper Sulfate Bath R.T.	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	N/A	D - Poor
Plating Solutions, Copper Plating (Cyanide): Copper Strike Bath 120°F	N/A	N/A	A - Excellent	N/A	B - Good	A - Excellent	N/A	A - Excellent
Plating Solutions, Copper Plating (Cyanide): High-Speed Bath 180°F	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	N/A	A - Excellent
Plating Solutions, Copper Plating (Cyanide): Rochelle Salt Bath 150°F	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	N/A	A - Excellent
Plating Solutions, Copper Plating (Misc): Copper (Electroless)	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	N/A	N/A
Plating Solutions, Copper Plating (Misc): Copper Pyrophosphate	N/A	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	N/A	A - Excellent
Plating Solutions, Gold Plating: Acid 75°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Gold Plating: Cyanide 150°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	A - Excellent
Plating Solutions, Gold Plating: Neutral 75°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Indium Sulfamate Plating R.T.	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Iron Plating: Ferrous Am Sulfate Bath 150°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Iron Plating: Ferrous Chloride Bath 190°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	D - Poor
Plating Solutions, Iron Plating: Ferrous Sulfate Bath 150°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Iron Plating: Fluoborate Bath 145°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	D - Poor
Plating Solutions, Iron Plating: Sulfamate 140°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	D - Poor
Plating Solutions, Iron Plating: Sulfate-Chloride Bath 160°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	D - Poor
Plating Solutions, Lead Fluoborate Plating	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Nickel Plating: Electroless 200°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	N/A
Plating Solutions, Nickel Plating: Fluoborate 100-170°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Nickel Plating: High-Chloride 130-160°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Nickel Plating: Sulfamate 100-140°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Nickel Plating: Watts Type 115-160°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Rhodium Plating 120°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	D - Poor
Plating Solutions, Silver Plating 80-120°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	A - Excellent
Plating Solutions, Tin-Fluoborate Plating 100°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Tin-Lead Plating 100°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Zinc Plating: Acid Chloride 140°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	D - Poor
Plating Solutions, Zinc Plating: Acid Fluoborate Bath R.T.	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Zinc Plating: Acid Sulfate Bath 150°F	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	C - Fair
Plating Solutions, Zinc Plating: Alkaline Cyanide Bath R.T.	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	N/A	A - Excellent
Potash (Potassium Carbonate)	A1 - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	N/A	B - Good	B - Good
Potassium Bicarbonate	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent	B - Good	A - Excellent	B - Good	B - Good
Potassium Bromide	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent	A - Excellent	A - Excellent	B - Good	B - Good
Potassium Chlorate	A1 - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	B1 - Good	B - Good
Potassium Chloride	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B1 - Good	A1 - Excellent
Potassium Chromate	A - Excellent	A - Excellent	A - Excellent	N/A	B - Good	A1 - Excellent	B1 - Good	B1 - Good
Potassium Cyanide Solutions	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B1 - Good	B1 - Good
Potassium Dichromate	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B1 - Good
Potassium Ferricyanide	A2 - Excellent	A - Excellent	A - Excellent	N/A	A2 - Excellent	A2 - Excellent	B1 - Good	B1 - Good
Potassium Ferrocyanide	A1 - Excellent	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	B - Good	B - Good
Potassium Hydroxide (Caustic Potash)	A - Excellent	A - Excellent	B - Good	C - Fair	A - Excellent	A - Excellent	B - Good	A1 - Excellent
Potassium Hypochlorite	C1 - Fair	A - Excellent	N/A	N/A	A1 - Excellent	A2 - Excellent	C1 - Fair	B - Good
Potassium Iodide	B1 - Good	A - Excellent	A - Excellent	N/A	A2 - Excellent	A2 - Excellent	A1 - Excellent	A1 - Excellent
Potassium Nitrate	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B - Good
Potassium Oxalate	N/A	N/A	N/A	N/A	N/A	A2 - Excellent	B - Good	B1 - Good
Potassium Permanganate	A - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	B1 - Good	B - Good

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Potassium Sulfate	A2 - Excellent	A - Excellent	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	B1 - Good	A - Excellent
Potassium Sulfide	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B - Good
Propane (liquefied)	C1 - Fair	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Propylene	N/A	A - Excellent	A1 - Excellent	D - Poor	N/A	A2 - Excellent	B1 - Good	A1 - Excellent
Propylene Glycol	B2 - Good	A - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	B - Good	B - Good
Pyridine	B1 - Good	A - Excellent	D - Poor	D - Poor	D - Poor	A - Excellent	A - Excellent	A - Excellent
Pyrogalllic Acid	N/A	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	B2 - Good	B - Good
Resorcinol	B2 - Good	A - Excellent	A1 - Excellent	N/A	N/A	A2 - Excellent	N/A	N/A
Rosins	B1 - Good	N/A	A - Excellent	A - Excellent	N/A	A - Excellent	A1 - Excellent	A1 - Excellent
Rum	N/A	N/A	A - Excellent	A - Excellent	N/A	N/A	A - Excellent	A - Excellent
Rust Inhibitors	N/A	N/A	A - Excellent	N/A	N/A	N/A	A - Excellent	A - Excellent
Salad Dressings	N/A	N/A	A - Excellent	N/A	N/A	N/A	A - Excellent	A - Excellent
Salicylic Acid	B2 - Good	A - Excellent	A1 - Excellent	N/A	A - Excellent	A2 - Excellent	B2 - Good	B2 - Good
Salt Brine (NaCl saturated)	A - Excellent	A - Excellent	A2 - Excellent	A1 - Excellent	A - Excellent	A2 - Excellent	B1 - Good	A2 - Excellent
Sea Water	A2 - Excellent	A - Excellent	A - Excellent	A1 - Excellent	A - Excellent	A - Excellent	C - Fair	C - Fair
Shellac (Bleached)	A1 - Excellent	N/A	A - Excellent	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Shellac (Orange)	A1 - Excellent	N/A	A - Excellent	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Silicone	N/A	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Silver Bromide	A - Excellent	N/A	N/A	N/A	N/A	A - Excellent	D - Poor	D - Poor
Silver Nitrate	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B - Good
Soap Solutions	D - Poor	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent	A - Excellent	A - Excellent	A1 - Excellent
Soda Ash (see Sodium Carbonate)	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Sodium Acetate	A - Excellent	A - Excellent	D - Poor	D - Poor	A - Excellent	A - Excellent	B - Good	B1 - Good
Sodium Aluminate	N/A	A - Excellent	A - Excellent	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Sodium Benzoate	A2 - Excellent	A - Excellent	A1 - Excellent	N/A	A2 - Excellent	A2 - Excellent	N/A	N/A
Sodium Bicarbonate	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent
Sodium Bisulfate	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	D - Poor	C - Fair
Sodium Bisulfite	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B1 - Good	B1 - Good
Sodium Borate (Borax)	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B2 - Good	B - Good
Sodium Bromide	A2 - Excellent	A - Excellent	A1 - Excellent	N/A	A2 - Excellent	A2 - Excellent	C - Fair	C - Fair
Sodium Carbonate	B2 - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Sodium Chlorate	B2 - Good	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	A - Excellent	B1 - Good
Sodium Chloride	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B - Good
Sodium Chromate	N/A	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	B1 - Good	B - Good
Sodium Cyanide	A2 - Excellent	A - Excellent	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A1 - Excellent	B1 - Good
Sodium Ferrocyanide	A - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	B - Good	B - Good
Sodium Fluoride	A2 - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	A1 - Excellent	D - Poor	D - Poor
Sodium Hydrosulfite	N/A	A - Excellent	A - Excellent	C - Fair	N/A	A - Excellent	N/A	N/A
Sodium Hydroxide (20%)	D - Poor	A - Excellent	C - Fair	A2 - Excellent	A - Excellent	A - Excellent	B - Good	B2 - Good
Sodium Hydroxide (50%)	D - Poor	A - Excellent	D - Poor	A1 - Excellent	A - Excellent	A - Excellent	B - Good	B1 - Good
Sodium Hydroxide (80%)	D - Poor	A - Excellent	D - Poor	A1 - Excellent	A - Excellent	A1 - Excellent	C - Fair	B1 - Good
Sodium Hypochlorite (<20%)	A - Excellent	A - Excellent	A1 - Excellent	B - Good	A - Excellent	A - Excellent	C - Fair	C - Fair
Sodium Hypochlorite (100%)	B2 - Good	A - Excellent	A1 - Excellent	B - Good	A - Excellent	A - Excellent	D - Poor	D - Poor
Sodium Hyposulfate	N/A	N/A	N/A	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Sodium Metaphosphate	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Sodium Metasilicate	N/A	A - Excellent	A - Excellent	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Sodium Nitrate	A2 - Excellent	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	B1 - Good	B1 - Good
Sodium Perborate	A1 - Excellent	A - Excellent	A - Excellent	B - Good	N/A	A - Excellent	B - Good	B - Good
Sodium Peroxide	A - Excellent	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Sodium Polyphosphate	A - Excellent	N/A	A - Excellent	D - Poor	A - Excellent	A - Excellent	B - Good	B - Good
Sodium Silicate	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good
Sodium Sulfate	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B1 - Good
Sodium Sulfide	A2 - Excellent	A - Excellent	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	D - Poor
Sodium Sulfite	B1 - Good	A - Excellent	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent
Sodium Tetraborate	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent	N/A	A - Excellent	A2 - Excellent	A - Excellent
Sodium Thiosulfate (hypo)	A1 - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A2 - Excellent	B - Good
Sorghum	N/A	N/A	A - Excellent	N/A	N/A	N/A	A - Excellent	A - Excellent
Soy Sauce	N/A	N/A	A - Excellent	N/A	N/A	N/A	A - Excellent	A - Excellent

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Stannic Chloride	A2 - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	D - Poor	D - Poor
Stannic Fluoborate	N/A	N/A	A - Excellent	N/A	N/A	N/A	N/A	A - Excellent
Stannous Chloride	B2 - Good	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	C2 - Fair	A2 - Excellent
Starch	B - Good	N/A	A - Excellent	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Stearic Acid	B1 - Good	A - Excellent	A1 - Excellent	B - Good	A - Excellent	A - Excellent	B - Good	A - Excellent
Stoddard Solvent	C2 - Fair	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Styrene	N/A	A - Excellent	B - Good	D - Poor	N/A	A - Excellent	A - Excellent	A - Excellent
Sugar (Liquids)	N/A	N/A	A - Excellent	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent
Sulfate (Liquors)	A2 - Excellent	A - Excellent	A1 - Excellent	B - Good	A - Excellent	A - Excellent	B - Good	B - Good
Sulfur Chloride	C1 - Fair	A - Excellent	A - Excellent	C - Fair	A1 - Excellent	A - Excellent	D - Poor	D - Poor
Sulfur Dioxide	B1 - Good	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	D - Poor	A1 - Excellent
Sulfur Dioxide (dry)	A1 - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	D - Poor	A - Excellent
Sulfur Hexafluoride	B - Good	B - Good	N/A	B - Good	N/A	N/A	N/A	N/A
Sulfur Trioxide	N/A	A - Excellent	A - Excellent	B - Good	N/A	A - Excellent	A - Excellent	C - Fair
Sulfur Trioxide (dry)	C1 - Fair	N/A	A - Excellent	B - Good	C1 - Fair	A - Excellent	D - Poor	A - Excellent
Sulfuric Acid (<10%)	A1 - Excellent	A - Excellent	A - Excellent	C - Fair	A - Excellent	A - Excellent	D - Poor	B - Good
Sulfuric Acid (10-75%)	A1 - Excellent	A - Excellent	A2 - Excellent	D - Poor	A - Excellent	A - Excellent	D - Poor	D - Poor
Sulfuric Acid (75-100%)	B1 - Good	A - Excellent	A1 - Excellent	D - Poor	A - Excellent	A - Excellent	C - Fair	D - Poor
Sulfuric Acid (cold concentrated)	C - Fair	A - Excellent	B - Good	D - Poor	A - Excellent	A - Excellent	C - Fair	B - Good
Sulfuric Acid (hot concentrated)	D - Poor	N/A	A2 - Excellent	D - Poor	C - Fair	A - Excellent	D - Poor	C - Fair
Sulfurous Acid	B2 - Good	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	B1 - Good	B - Good
Sulfuryl Chloride	N/A	N/A	N/A	N/A	N/A	A - Excellent	N/A	N/A
Tallow	C - Fair	A - Excellent	A - Excellent	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Tannic Acid	B2 - Good	A - Excellent	A - Excellent	B - Good	B - Good	A - Excellent	B1 - Good	A - Excellent
Tanning Liquors	A1 - Excellent	N/A	A - Excellent	B - Good	N/A	A - Excellent	A2 - Excellent	A2 - Excellent
Tartaric Acid	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	C2 - Fair	C2 - Fair
Tetrachloroethane	N/A	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	B - Good	A - Excellent
Tetrachloroethylene	B - Good	A - Excellent	A - Excellent	D - Poor	N/A	A - Excellent	N/A	A - Excellent
Tetrahydrofuran	C1 - Fair	A - Excellent	D - Poor	D - Poor	B1 - Good	A - Excellent	A - Excellent	A - Excellent
Tin Salts	N/A	N/A	A - Excellent	B - Good	A - Excellent	A - Excellent	N/A	D - Poor
Toluene (Toluol)	C1 - Fair	A - Excellent	C - Fair	D - Poor	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent
Tomato Juice	A1 - Excellent	N/A	A - Excellent	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Trichloroacetic Acid	A - Excellent	A - Excellent	C - Fair	D - Poor	B - Good	A - Excellent	D - Poor	C - Fair
Trichloroethane	N/A	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	B - Good	B - Good
Trichloroethylene	D - Poor	A - Excellent	A - Excellent	D - Poor	B - Good	A - Excellent	B - Good	B - Good
Trichloropropane	N/A	A - Excellent	A - Excellent	N/A	N/A	A1 - Excellent	A - Excellent	A - Excellent
Tricresylphosphate	B1 - Good	A - Excellent	A2 - Excellent	C - Fair	D - Poor	A - Excellent	B - Good	B - Good
Triethylamine	N/A	A - Excellent	D - Poor	N/A	A2 - Excellent	A - Excellent	A - Excellent	A - Excellent
Trisodium Phosphate	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	B - Good
Turpentine	D - Poor	A - Excellent	A - Excellent	D - Poor	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Urea	A - Excellent	N/A	A - Excellent	B - Good	A - Excellent	A - Excellent	B - Good	B - Good
Uric Acid	B - Good	A - Excellent	N/A	N/A	N/A	A - Excellent	B - Good	B - Good
Urine	A2 - Excellent	N/A	A1 - Excellent	N/A	A - Excellent	A1 - Excellent	A - Excellent	A - Excellent
Varnish	A - Excellent	A - Excellent	A - Excellent	D - Poor	N/A	A - Excellent	A - Excellent	A - Excellent
Vegetable Juice	N/A	N/A	A - Excellent	B - Good	N/A	A - Excellent	A - Excellent	A - Excellent
Vinegar	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent
Vinyl Acetate	A - Excellent	A - Excellent	A1 - Excellent	D - Poor	A2 - Excellent	A2 - Excellent	B - Good	B - Good
Vinyl Chloride	N/A	A - Excellent	A1 - Excellent	N/A	B1 - Good	A2 - Excellent	B2 - Good	A1 - Excellent
Water, Acid, Mine	A2 - Excellent	N/A	A - Excellent	B - Good	A - Excellent	A - Excellent	B - Good	B - Good
Water, Deionized	N/A	N/A	A1 - Excellent	N/A	A2 - Excellent	A2 - Excellent	A1 - Excellent	A2 - Excellent
Water, Distilled	A2 - Excellent	N/A	A - Excellent	C - Fair	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Water, Fresh	A2 - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	A - Excellent	A - Excellent
Water, Salt	A2 - Excellent	N/A	A - Excellent	B - Good	A - Excellent	A - Excellent	B - Good	B - Good
Weed Killers	N/A	N/A	A - Excellent	A - Excellent	N/A	N/A	A - Excellent	A - Excellent
Whey	N/A	N/A	A - Excellent	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Whiskey & Wines	C - Fair	N/A	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent
White Liquor (Pulp Mill)	A2 - Excellent	N/A	A - Excellent	A - Excellent	A1 - Excellent	A - Excellent	A - Excellent	A - Excellent
White Water (Paper Mill)	N/A	N/A	A - Excellent	N/A	N/A	N/A	A - Excellent	A - Excellent

DISCLAIMER

The information is to be used ONLY as a guide in selecting equipment for appropriate chemical compatibility. Before permanent installation, test the equipment with the chemicals and under the specific conditions of your application.

ProcessEye does not warrant (neither express nor implied) that the information in this chart is accurate or complete or that any material is suitable for any purpose.



MATERIAL COMPATIBILITY

RATINGS
 A - Excellent
 B - Good: Minor Effect
 C - Fair: Moderate Effect
 D - Severe Effect
 E - Information not available

FOOTNOTES
¹ Satisfactory to 72°F (22°C)
² Satisfactory to 120°F (48°C)

CHEMICAL	LDPE	PEFFKM-1026	VITON	SILICONE	PVDF	PTFE	304SS	316SS
Xylene	B - Good	A - Excellent	B - Good	D - Poor	A - Excellent	A - Excellent	B - Good	B - Good
Zinc Chloride	A ₁ - Excellent	A - Excellent	A - Excellent	B - Good	A - Excellent	A - Excellent	B - Good	B - Good
Zinc Hydrosulfite	N/A	A - Excellent	N/A	N/A	N/A	A - Excellent	A - Excellent	A - Excellent
Zinc Sulfate	A ₂ - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	A - Excellent	B ₁ - Good	A - Excellent

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