

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Acetaldehyde	Excellent	Poor	Poor	Excellent	N/A	Fair	Excellent	Fair	Excellent	Excellent
Acetamide	Excellent	Poor	N/A	Excellent	N/A	Poor	Excellent	Excellent	Excellent	Excellent
Acetate Solvent	Excellent	Poor	N/A	N/A	N/A	N/A	Excellent	Excellent	Excellent	Poor
Acetic Acid	Excellent	Poor	Poor	Poor	N/A	Poor	Excellent	Excellent	Poor	Poor
Acetic Acid 20%	Excellent	Poor	Fair	Fair	N/A	Excellent	Excellent	Excellent	Poor	Excellent
Acetic Acid 80%	Excellent	Fair	Poor	Poor	N/A	Poor	Excellent	Poor	Poor	Excellent
Acetic Acid, Glacial	Excellent	Poor	Poor	Poor	Excellent	Poor	Excellent	Poor	Poor	Excellent
Acetic Anhydride	Excellent	Poor	Fair	Poor	Fair	Poor	Excellent	Poor	Excellent	Poor
Acetone	Excellent	Poor	Poor	Excellent	Poor	Poor	Excellent	Poor	Excellent	Excellent
Acetyl Bromide	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	Poor	Poor	N/A
Acetyl Chloride (dry)	Excellent	Fair	Poor	Poor	N/A	Poor	Excellent	Poor	Poor	Poor
Acetylene	Excellent	Excellent	N/A	Excellent	Excellent	Poor	Excellent	Poor	Excellent	Excellent
Acrylonitrile	Excellent	Poor	Poor	N/A	N/A	Poor	N/A	Excellent	Excellent	Excellent
Adipic Acid	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	Excellent	N/A	Poor
Alcohols:Amyl	Excellent	Excellent	Excellent	Excellent	Excellent	Poor	Excellent	Poor	Excellent	Poor
Alcohols:Benzyl	Excellent	Poor	Poor	Excellent	N/A	N/A	Excellent	Poor	Poor	Excellent
Alcohols:Butyl	Excellent	Excellent	Excellent	Excellent	N/A	Excellent	N/A	Excellent	Poor	Excellent
Alcohols:Diacetone	Excellent	Poor	N/A	Excellent	N/A	N/A	Poor	Poor	Excellent	Poor
Alcohols:Ethyl	Excellent	Fair	Poor	Excellent	N/A	Poor	Excellent	Poor	Excellent	Excellent
Alcohols:Hexyl	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	Excellent	Excellent	N/A
Alcohols:Isobutyl	Excellent	Excellent	Poor	Excellent	N/A	N/A	N/A	Excellent	Excellent	Excellent
Alcohols:Isopropyl	Excellent	Excellent	N/A	Excellent	N/A	Excellent	N/A	Excellent	Poor	Excellent
Alcohols:Methyl	Excellent	Excellent	Poor	Excellent	Poor	Poor	Excellent	Excellent	Poor	Excellent
Alcohols:Octyl	N/A	N/A	Excellent	Excellent	N/A	N/A	N/A	Excellent	Excellent	N/A
Alcohols:Propyl	Excellent	Excellent	Poor	Excellent	N/A	N/A	N/A	Excellent	Poor	Excellent
Aluminum Chloride	Excellent	Excellent	Excellent	N/A	Fair	Excellent	Excellent	Poor	Poor	Excellent
Aluminum Chloride 20%	Excellent	Excellent	N/A	Fair	N/A	Excellent	Excellent	Poor	Poor	Excellent
Aluminum Fluoride	Excellent	Excellent	Excellent	Fair	N/A	N/A	N/A	Excellent	Excellent	Excellent
Aluminum Hydroxide	Excellent	Excellent	Poor	Excellent	N/A	Poor	Excellent	Excellent	Excellent	Excellent

PLASTIC CHEMICAL CHART

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Aluminum Nitrate	Excellent	Poor	N/A	Poor	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Aluminum Potassium Sulfate 10%	Excellent	Excellent	N/A	Fair	N/A	Excellent	Excellent	Excellent	Poor	Excellent
Aluminum Potassium Sulfate 100%	Excellent	Excellent	N/A	Fair	N/A	Excellent	Excellent	Excellent	Poor	Excellent
Aluminum Sulfate	Excellent	Excellent	Excellent	Poor	Poor	Excellent	Excellent	Excellent	Excellent	Excellent
Alums	Excellent	N/A	N/A	N/A	Poor	N/A	N/A	Excellent	Excellent	Excellent
Amines	Excellent	Poor	N/A	Poor	Excellent	Poor	Excellent	Fair	Poor	Poor
Ammonia 10%	Excellent	Poor	N/A	Poor	N/A	Poor	Excellent	Fair	Excellent	Excellent
Ammonia Nitrate	Excellent	Poor	N/A	Fair	N/A	N/A	N/A	Excellent	Poor	Excellent
Ammonia, anhydrous	Excellent	Excellent	Poor	Poor	Poor	Poor	Excellent	Poor	Excellent	Excellent
Ammonia, liquid	Excellent	Excellent	N/A	Poor	N/A	Poor	Excellent	Fair	Poor	Excellent
Ammonium Acetate	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	Excellent	Excellent	Excellent
Ammonium Bifluoride	Excellent	Excellent	Excellent	Poor	N/A	N/A	N/A	Excellent	N/A	Excellent
Ammonium Carbonate	Excellent	Excellent	Excellent	Poor	N/A	N/A	N/A	Poor	Excellent	Excellent
Ammonium Caseinate	N/A	N/A	N/A	Poor	N/A	N/A	N/A	N/A	N/A	N/A
Ammonium Chloride	Excellent	Excellent	Excellent	Poor	Excellent	Excellent	Excellent	Excellent	Poor	Excellent
Ammonium Hydroxide	Excellent	Excellent	Poor	Fair	Fair	Poor	Excellent	Excellent	Excellent	Excellent
Ammonium Nitrate	Excellent	Excellent	N/A	Excellent	Poor	N/A	Excellent	Excellent	Excellent	Excellent
Ammonium Oxalate	N/A	Excellent	N/A	Poor	N/A	Excellent	N/A	N/A	N/A	Excellent
Ammonium Persulfate	Excellent	Excellent	Excellent	Poor	N/A	N/A	Excellent	Excellent	Poor	Excellent
Ammonium Phosphate, Dibasic	Excellent	Excellent	Excellent	Poor	N/A	Excellent	Excellent	Excellent	Fair	Excellent
Ammonium Phosphate, Monobasic	Excellent	Excellent	N/A	Poor	Poor	N/A	N/A	Excellent	Poor	Excellent
Ammonium Phosphate, Tribasic	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	Fair	Poor	Excellent
Ammonium Sulfate	Excellent	Excellent	Excellent	Poor	Poor	Excellent	Excellent	Excellent	Excellent	Excellent
Ammonium Sulfite	Excellent	Excellent	N/A	Poor	Poor	N/A	Excellent	Poor	Excellent	Excellent
Ammonium Thiosulfate	N/A	N/A	N/A	Poor	N/A	N/A	N/A	Excellent	N/A	N/A
Amyl Acetate	Excellent	Poor	Poor	Poor	Fair	Poor	Excellent	Fair	Poor	Poor
Amyl Alcohol	Excellent	Excellent	Excellent	Excellent	Excellent	Poor	Excellent	Poor	Excellent	Poor
Amyl Chloride	Excellent	Poor	Poor	Excellent	N/A	N/A	Excellent	Poor	Fair	Poor
Aniline	Excellent	Fair	Poor	Excellent	Poor	Poor	Excellent	Fair	Excellent	Excellent

PLASTIC CHEMICAL CHART

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CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Aniline Hydrochloride	Excellent	Poor	Poor	N/A	N/A	Poor	N/A	Poor	Poor	Poor
Antifreeze	N/A	Excellent	Poor	Poor	N/A	N/A	N/A	N/A	Poor	Poor
Antimony Trichloride	Excellent	Excellent	Excellent	N/A	N/A	Excellent	Excellent	Poor	Poor	Excellent
Aqua Regia (80% HCl, 20% HNO3)	Excellent	Fair	Poor	Poor	N/A	Poor	Excellent	Poor	Poor	Poor
Arochlor 1248	Excellent	N/A	N/A	N/A	Fair	N/A	Excellent	Fair	Excellent	Poor
Aromatic Hydrocarbons	N/A	Poor	N/A	Excellent	Fair	N/A	N/A	Fair	N/A	Poor
Arsenic Acid	Excellent	Excellent	Excellent	Poor	N/A	Excellent	N/A	Poor	Fair	Excellent
Arsenic Salts	N/A	Excellent	N/A	N/A	Poor	N/A	N/A	Poor	Excellent	N/A
Asphalt	Excellent	Excellent	N/A	Poor	Poor	Poor	Excellent	Excellent	Excellent	Poor
Barium Carbonate	Excellent	Excellent	Excellent	Excellent	N/A	Excellent	Excellent	Poor	Excellent	Excellent
Barium Chloride	Excellent	Excellent	Excellent	Excellent	Poor	Excellent	Excellent	Excellent	Excellent	Excellent
Barium Cyanide	Excellent	Poor	N/A	Poor	N/A	N/A	N/A	Poor	Excellent	Poor
Barium Hydroxide	Excellent	Excellent	Excellent	Poor	Poor	Poor	Excellent	Poor	Excellent	Poor
Barium Nitrate	Excellent	Excellent	N/A	Poor	N/A	Poor	Excellent	Poor	Excellent	Excellent
Barium Sulfate	Excellent	Poor	Excellent	Poor	Poor	Poor	Excellent	Poor	Excellent	Poor
Barium Sulfide	Excellent	Excellent	Excellent	Excellent	N/A	N/A	N/A	Poor	Excellent	Poor
Beer	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Beet Sugar Liquids	Excellent	Excellent	Poor	Poor	N/A	N/A	Excellent	Excellent	Excellent	Excellent
Benzaldehyde	Excellent	Poor	Poor	Excellent	Poor	Poor	Excellent	Excellent	Excellent	Poor
Benzene	Excellent	Fair	Poor	Excellent	Fair	Poor	Poor	Fair	Excellent	Poor
Benzene Sulfonic Acid	Excellent	Excellent	N/A	N/A	Poor	Poor	N/A	Excellent	Poor	Poor
Benzoic Acid	Excellent	Excellent	N/A	Poor	Poor	Poor	Excellent	Excellent	Poor	Poor
Benzol	Excellent	N/A	Poor	Excellent	Fair	Poor	Excellent	Fair	Poor	Poor
Benzonitrile	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent	N/A	N/A	N/A
Benzyl Chloride	N/A	N/A	Poor	Excellent	N/A	N/A	N/A	N/A	Excellent	Fair
Bleaching Liquors	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	Excellent	Fair	Excellent
Borax (Sodium Borate)	Excellent	Excellent	N/A	Poor	Excellent	N/A	Excellent	Excellent	Excellent	Poor
Boric Acid	Excellent	Excellent	N/A	Excellent	Excellent	N/A	Excellent	Excellent	Poor	Excellent
Brewery Slop	N/A	N/A	N/A	Poor	N/A	N/A	N/A	N/A	N/A	N/A

**PLASTIC
CHEMICAL
CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Bromine	Excellent	Fair	Poor	Poor	Poor	Fair	Excellent	Poor	Poor	Poor
Butadiene	Excellent	Fair	N/A	Excellent	N/A	Poor	Excellent	Poor	Fair	Fair
Butane	Excellent	Fair	Poor	Excellent	N/A	Poor	Excellent	Fair	Excellent	Excellent
Butanol (Butyl Alcohol)	Excellent	Fair	N/A	Excellent	Poor	Poor	Excellent	Poor	Poor	Excellent
Butter	Excellent	N/A	Poor	Excellent	N/A	N/A	N/A	N/A	N/A	N/A
Buttermilk	Excellent	Excellent	Poor	Excellent	N/A	Excellent	Excellent	Excellent	Poor	Excellent
Butyl Amine	Excellent	Poor	N/A	Fair	N/A	Poor	Poor	Fair	Excellent	Poor
Butyl Ether	Excellent	Excellent	N/A	Poor	N/A	N/A	Excellent	N/A	Excellent	Poor
Butyl Phthalate	Excellent	N/A	N/A	N/A	N/A	Poor	Excellent	Fair	Excellent	Poor
Butylacetate	Excellent	Poor	N/A	Excellent	Poor	Poor	Excellent	Fair	Excellent	Poor
Butylene	Excellent	Excellent	N/A	Excellent	N/A	Poor	Poor	Poor	Poor	N/A
Butyric Acid	Excellent	Poor	Poor	Excellent	Poor	Poor	Excellent	Poor	Fair	Poor
Calcium Bisulfate	N/A	N/A	N/A	N/A	N/A	Poor	N/A	N/A	N/A	N/A
Calcium Bisulfide	Excellent	Excellent	N/A	Poor	Poor	N/A	Excellent	Poor	Excellent	Excellent
Calcium Bisulfite	Excellent	Poor	N/A	Poor	Poor	Poor	Excellent	Excellent	Excellent	Excellent
Calcium Carbonate	Excellent	Excellent	N/A	Excellent	N/A	Fair	N/A	Poor	Excellent	Excellent
Calcium Chlorate	Excellent	Poor	N/A	Excellent	N/A	N/A	N/A	N/A	N/A	N/A
Calcium Chloride	Excellent	Fair	Poor	Poor	Excellent	N/A	Excellent	Poor	Excellent	Excellent
Calcium Hydroxide	Excellent	Poor	N/A	Poor	Poor	Poor	Excellent	Excellent	Excellent	Excellent
Calcium Hypochlorite	Excellent	Poor	N/A	Poor	Fair	Poor	Poor	Excellent	Poor	Excellent
Calcium Nitrate	Excellent	Excellent	Excellent	Poor	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Calcium Oxide	Excellent	Poor	Poor	Excellent	Excellent	N/A	N/A	Poor	Poor	Excellent
Calcium Sulfate	Excellent	Poor	Fair	Poor	N/A	Excellent	Excellent	Poor	Poor	Excellent
Calgon	N/A	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent
Cane Juice	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Fair
Carbolic Acid (Phenol)	Excellent	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor
Carbon Bisulfide	N/A	Poor	N/A	Excellent	Fair	N/A	N/A	N/A	Excellent	Poor
Carbon Dioxide (dry)	Excellent	Excellent	Poor	Excellent	Excellent	N/A	Excellent	Excellent	Excellent	Excellent
Carbon Dioxide (wet)	Excellent	Excellent	Poor	Excellent	N/A	N/A	Excellent	Excellent	Excellent	Excellent

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Carbon Disulfide	Excellent	Poor	N/A	Excellent	N/A	Poor	Excellent	Fair	Poor	Poor
Carbon Monoxide	Excellent	Excellent	N/A	Excellent	Excellent	N/A	Excellent	Excellent	Excellent	Excellent
Carbon Tetrachloride	Excellent	Poor	Poor	Poor	Poor	Poor	Excellent	Poor	Poor	Poor
Carbon Tetrachloride (dry)	Excellent	N/A	Poor	N/A	Poor	N/A	Poor	Poor	N/A	Poor
Carbon Tetrachloride (wet)	Excellent	N/A	Poor	Excellent	N/A	N/A	Excellent	N/A	N/A	Poor
Carbonated Water	N/A	Excellent	N/A	Excellent	N/A	N/A	N/A	Excellent	Excellent	Poor
Carbonic Acid	Excellent	Excellent	N/A	Poor	Poor	Excellent	Excellent	Poor	Excellent	Excellent
Catsup	N/A	Excellent	Poor	Poor	N/A	N/A	N/A	N/A	Excellent	Excellent
Chloric Acid	Excellent	Excellent	N/A	Poor	N/A	N/A	Excellent	N/A	Poor	N/A
Chlorinated Glue	N/A	N/A	N/A	Poor	N/A	N/A	N/A	N/A	N/A	N/A
Chlorine (dry)	Excellent	Poor	N/A	Poor	Poor	N/A	Poor	Poor	Poor	Poor
Chlorine Water	Excellent	Excellent	N/A	Poor	N/A	N/A	Excellent	Poor	Fair	Poor
Chlorine, Anhydrous Liquid	Excellent	Poor	N/A	Excellent	N/A	Fair	Poor	Poor	Poor	Poor
Chloroacetic Acid	Excellent	Poor	N/A	Poor	Poor	Poor	Excellent	Poor	Poor	Fair
Chlorobenzene (Mono)	Poor	Poor	Poor	Poor	Poor	Poor	Excellent	Fair	Poor	Fair
Chlorobromomethane	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	Excellent	Fair	Excellent
Chloroform	Excellent	Poor	Poor	Excellent	Poor	Poor	Poor	Fair	Excellent	Fair
Chlorosulfonic Acid	Excellent	Poor	N/A	Poor	Poor	Fair	Excellent	Poor	Poor	Poor
Chocolate Syrup	Excellent	N/A	N/A	Excellent	N/A	Excellent	N/A	N/A	Excellent	Excellent
Chromic Acid 10%	Excellent	Excellent	Poor	Poor	Poor	Poor	Excellent	Poor	Poor	Poor
Chromic Acid 30%	Excellent	Excellent	Poor	Poor	Poor	Fair	Excellent	Poor	Poor	Poor
Chromic Acid 5%	Excellent	Excellent	Poor	Poor	Poor	Poor	Excellent	Poor	Poor	Poor
Chromic Acid 50%	Excellent	Poor	Poor	Poor	Poor	Poor	Excellent	Poor	Poor	Poor
Chromium Salts	N/A	Excellent	N/A	N/A	Poor	N/A	N/A	Poor	Poor	N/A
Cider	N/A	Excellent	N/A	Excellent	Poor	Excellent	N/A	Poor	Excellent	Excellent
Citric Acid	Excellent	Poor	Poor	Poor	Excellent	Excellent	Excellent	Poor	Excellent	Excellent
Citric Oils	N/A	N/A	N/A	Poor	N/A	N/A	N/A	N/A	N/A	Excellent
Clorox® (Bleach)	Excellent	Excellent	Poor	Poor	N/A	N/A	Poor	N/A	Excellent	Poor
Coffee	N/A	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent

PLASTIC CHEMICAL CHART

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Copper Chloride	Excellent	Excellent	Excellent	Excellent	Excellent	N/A	Excellent	N/A	Poor	Excellent
Copper Cyanide	Excellent	Excellent	N/A	Excellent	N/A	Poor	N/A	Poor	Poor	Excellent
Copper Fluoborate	N/A	Excellent	N/A	Poor	N/A	N/A	N/A	N/A	N/A	N/A
Copper Nitrate	Excellent	Excellent	N/A	Excellent	N/A	Poor	Excellent	Poor	Poor	Excellent
Copper Sulfate >5%	Excellent	Excellent	N/A	Poor	Excellent	Excellent	Excellent	Excellent	Poor	Excellent
Copper Sulfate 5%	Excellent	Excellent	N/A	Poor	Excellent	Excellent	Excellent	Excellent	Poor	Excellent
Cream	Excellent	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent
Cresols	N/A	Poor	Poor	Poor	Poor	Poor	Excellent	Fair	Poor	Poor
Cresylic Acid	Excellent	Poor	N/A	Poor	N/A	Poor	N/A	Poor	Poor	Excellent
Cupric Acid	Excellent	Excellent	N/A	N/A	N/A	Excellent	Excellent	Poor	Poor	Excellent
Cyanic Acid	Excellent	N/A	N/A	Poor	N/A	N/A	N/A	N/A	N/A	N/A
Cyclohexane	Excellent	Poor	N/A	Excellent	Excellent	Poor	Excellent	Poor	Excellent	Poor
Cyclohexanone	Excellent	Poor	Poor	Excellent	N/A	Poor	Excellent	Poor	Excellent	Poor
Detergents	Excellent	Excellent	Poor	Excellent	N/A	Excellent	Excellent	Poor	Excellent	Excellent
Diacetone Alcohol	Excellent	Poor	N/A	N/A	N/A	Poor	Poor	Excellent	Excellent	Excellent
Dichlorobenzene	Excellent	Poor	Poor	N/A	N/A	Poor	N/A	N/A	Poor	Fair
Dichloroethane	Excellent	Poor	Poor	Excellent	N/A	Poor	Excellent	Fair	Excellent	Poor
Diesel Fuel	Excellent	Excellent	N/A	Excellent	N/A	Excellent	Excellent	Fair	Excellent	Excellent
Diethyl Ether	Excellent	Poor	Poor	N/A	Fair	Poor	Fair	N/A	Excellent	Excellent
Diethylamine	Poor	Poor	Poor	Poor	N/A	Poor	Excellent	Poor	Excellent	Excellent
Diethylene Glycol	Excellent	Fair	Poor	Excellent	N/A	Poor	N/A	Poor	Excellent	Excellent
Dimethyl Aniline	Excellent	Poor	Poor	Poor	N/A	Poor	Excellent	N/A	Excellent	Poor
Dimethyl Formamide	Excellent	Poor	Poor	Poor	N/A	Poor	Excellent	Excellent	Excellent	Excellent
Diphenyl	Excellent	N/A	N/A	N/A	N/A	N/A	Poor	N/A	N/A	Poor
Diphenyl Oxide	Excellent	Poor	N/A	Poor	N/A	N/A	N/A	N/A	N/A	Poor
Dyes	N/A	Poor	N/A	Fair	N/A	N/A	N/A	N/A	Excellent	N/A
Epsom Salts (Magnesium Sulfate)	Excellent	Excellent	Poor	Poor	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Ethane	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	N/A	Poor	Poor
Ethanol	Excellent	Fair	Poor	Excellent	N/A	Poor	Excellent	Poor	Excellent	Excellent

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CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Ethanolamine	Excellent	Poor	N/A	Poor	N/A	N/A	Poor	N/A	Excellent	Poor
Ether	Excellent	Poor	Poor	Excellent	N/A	N/A	Poor	Poor	Excellent	Poor
Ethyl Acetate	Excellent	Poor	Poor	Excellent	Poor	Poor	Excellent	Excellent	Excellent	Excellent
Ethyl Benzoate	Excellent	Poor	Poor	N/A	N/A	Poor	N/A	Fair	N/A	Poor
Ethyl Chloride	Excellent	Poor	Poor	Excellent	Fair	Poor	Poor	Fair	Excellent	Poor
Ethyl Ether	Excellent	Poor	Poor	Excellent	N/A	N/A	Excellent	Poor	Excellent	Poor
Ethyl Sulfate	Excellent	N/A	N/A	N/A	N/A	N/A	Excellent	N/A	N/A	N/A
Ethylene Bromide	Excellent	Poor	Poor	N/A	N/A	Poor	Poor	Poor	N/A	Poor
Ethylene Chloride	Excellent	Poor	Poor	Excellent	N/A	Poor	Excellent	Poor	Excellent	Fair
Ethylene Chlorohydrin	Excellent	Poor	Poor	Poor	N/A	Poor	N/A	Poor	Poor	Poor
Ethylene Diamine	Excellent	Poor	Poor	Poor	N/A	Excellent	Poor	Excellent	Poor	N/A
Ethylene Dichloride	Excellent	Poor	Poor	Poor	Fair	Poor	Excellent	Poor	Excellent	Poor
Ethylene Glycol	Excellent	Excellent	Excellent	Poor	Excellent	Poor	Excellent	Excellent	Excellent	Excellent
Ethylene Oxide	Excellent	Poor	Poor	Poor	Excellent	Fair	Excellent	Excellent	Excellent	Poor
Fatty Acids	Excellent	Excellent	Excellent	Excellent	N/A	Poor	Excellent	Poor	Excellent	Excellent
Ferric Chloride	Excellent	Excellent	Excellent	Poor	Fair	Excellent	Excellent	Excellent	Excellent	Excellent
Ferric Nitrate	Excellent	Excellent	Excellent	Poor	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Ferric Sulfate	Excellent	Excellent	Excellent	Poor	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Ferrous Chloride	Excellent	Excellent	Excellent	Poor	N/A	Poor	Poor	Excellent	Poor	Excellent
Ferrous Sulfate	Excellent	Excellent	Excellent	Poor	N/A	Excellent	Excellent	Excellent	Poor	Excellent
Fluoboric Acid	Excellent	Excellent	Excellent	Excellent	N/A	N/A	Poor	Excellent	Poor	Excellent
Fluorine	Poor	Poor	Excellent	Poor	N/A	Fair	Excellent	Poor	Poor	Poor
Fluosilicic Acid	Excellent	Poor	Excellent	Excellent	N/A	Excellent	Fair	Excellent	Poor	Excellent
Formaldehyde 100%	Excellent	Excellent	Poor	Excellent	N/A	Excellent	Excellent	Poor	Poor	Fair
Formaldehyde 40%	Excellent	Excellent	Excellent	Excellent	Poor	Excellent	Excellent	Poor	Excellent	Excellent
Formic Acid	Excellent	Excellent	Poor	Excellent	Poor	Excellent	Excellent	Poor	Poor	Excellent
Freon 113	Excellent	Poor	N/A	Excellent	Excellent	Poor	N/A	N/A	N/A	Poor
Freon 12	Excellent	Excellent	Excellent	Poor	Excellent	N/A	Fair	Excellent	Excellent	Excellent
Freon 22	Excellent	Excellent	N/A	Excellent	N/A	N/A	Excellent	N/A	Poor	Poor

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CHEMICAL
CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Freon TF	Excellent	Poor	N/A	Excellent	Excellent	N/A	N/A	N/A	Poor	Poor
Freon® 11	Excellent	Excellent	Poor	Poor	Excellent	N/A	Excellent	Fair	Poor	Excellent
Fruit Juice	Excellent	Excellent	Poor	Poor	N/A	N/A	Excellent	Excellent	Excellent	Poor
Fuel Oils	Poor	Excellent	Poor	Excellent	N/A	Poor	Excellent	Poor	Excellent	Excellent
Furan Resin	Excellent	Excellent	N/A	Poor	N/A	N/A	Excellent	Poor	N/A	Poor
Furfural	Excellent	Poor	Poor	Excellent	N/A	Poor	Poor	Poor	Poor	Poor
Gallic Acid	Poor	Poor	N/A	N/A	N/A	N/A	Excellent	Excellent	Excellent	Excellent
Gasoline (high-aromatic)	Poor	Excellent	Poor	Poor	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Gasoline, leaded, ref.	Excellent	Poor	Poor	Excellent	Excellent	Excellent	Excellent	N/A	Excellent	Poor
Gasoline, unleaded	Excellent	Fair	Poor	Excellent	N/A	Excellent	Excellent	N/A	Excellent	Fair
Gelatin	Excellent	Poor	N/A	Poor	N/A	N/A	N/A	Excellent	Excellent	Excellent
Glucose	Excellent	Excellent	Poor	Excellent	N/A	Excellent	N/A	Excellent	Excellent	Excellent
Glue, P.V.A.	Excellent	Fair	N/A	Excellent	Excellent	N/A	N/A	Excellent	Excellent	N/A
Glycerin	Excellent	Excellent	Fair	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Glycolic Acid	Excellent	Poor	Poor	Excellent	N/A	N/A	Poor	Excellent	N/A	Excellent
Gold Monocyanide	Poor	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	N/A	N/A
Grape Juice	Excellent	Excellent	Poor	Excellent	N/A	N/A	N/A	Poor	Excellent	N/A
Grease	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	N/A	N/A	N/A
Heptane	Excellent	Fair	Poor	Excellent	N/A	Poor	Excellent	Poor	Excellent	Fair
Hexane	Excellent	Poor	Poor	Excellent	Excellent	Poor	Excellent	Poor	Poor	Poor
Honey	Excellent	Excellent	N/A	Excellent	N/A	Excellent	N/A	Poor	Excellent	Excellent
Hydraulic Oil (Petro)	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	Fair	Excellent	Poor
Hydraulic Oil (Synthetic)	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	Excellent	Excellent	Poor
Hydrazine	Excellent	N/A	N/A	Poor	Fair	Poor	N/A	N/A	N/A	Fair
Hydrobromic Acid 100%	Excellent	Excellent	Poor	Poor	N/A	N/A	Excellent	Poor	Poor	Fair
Hydrobromic Acid 20%	N/A	Poor	N/A	Fair	N/A	N/A	Excellent	Poor	Poor	Excellent
Hydrochloric Acid 100%	Excellent	Poor	Excellent	Fair	N/A	Poor	Excellent	N/A	Poor	Poor
Hydrochloric Acid 20%	Excellent	Excellent	Excellent	Fair	Poor	Poor	Excellent	Excellent	Poor	Poor
Hydrochloric Acid 37%	Excellent	Poor	Excellent	Fair	Fair	Poor	Excellent	Poor	Poor	Fair

PLASTIC CHEMICAL CHART

CHEMICAL	PTFE	PVC	ABS	ACETAL DELRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Hydrochloric Acid, Dry Gas	Excellent	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent	Excellent	Poor
Hydrocyanic Acid	Excellent	Poor	Poor	Poor	Fair	N/A	N/A	Excellent	Poor	Excellent
Hydrocyanic Acid (Gas 10%)	Excellent	Excellent	N/A	Fair	N/A	Poor	N/A	N/A	N/A	Excellent
Hydrofluoric Acid 100%	Excellent	Fair	Poor	Poor	Poor	Poor	Excellent	N/A	Poor	Fair
Hydrofluoric Acid 20%	Excellent	Poor	Fair	Poor	N/A	Poor	Poor	Excellent	Fair	Excellent
Hydrofluoric Acid 50%	Excellent	Poor	Fair	Poor	Poor	Poor	Poor	Excellent	Poor	Excellent
Hydrofluoric Acid 75%	Excellent	Fair	Fair	Poor	Poor	Poor	Poor	Fair	Poor	Fair
Hydrofluosilicic Acid 100%	Excellent	Poor	N/A	Excellent	N/A	N/A	Poor	Poor	Poor	Excellent
Hydrofluosilicic Acid 20%	Excellent	Excellent	N/A	Poor	N/A	N/A	Excellent	Poor	Poor	Excellent
Hydrogen Gas	Excellent	Excellent	N/A	N/A	Excellent	Excellent	Poor	Excellent	Excellent	Excellent
Hydrogen Peroxide 10%	Excellent	Excellent	Excellent	Poor	N/A	Excellent	Excellent	Excellent	Fair	Excellent
Hydrogen Peroxide 100%	Excellent	Excellent	Excellent	Poor	N/A	Excellent	Poor	Fair	Poor	Poor
Hydrogen Peroxide 30%	Excellent	Excellent	N/A	Poor	N/A	Excellent	Poor	Fair	Poor	Poor
Hydrogen Peroxide 50%	Excellent	Excellent	N/A	Poor	N/A	Excellent	Excellent	Fair	Poor	Poor
Hydrogen Sulfide (aqua)	Excellent	Poor	Poor	Fair	N/A	Excellent	Excellent	Excellent	Fair	Excellent
Hydrogen Sulfide (dry)	Excellent	Excellent	N/A	N/A	Excellent	N/A	Poor	Excellent	Fair	Excellent
Hydroquinone	Excellent	Poor	Poor	Excellent	N/A	N/A	N/A	Excellent	Poor	Excellent
Hydroxyacetic Acid 70%	Excellent	Poor	N/A	Excellent	N/A	N/A	N/A	Excellent	N/A	N/A
Ink	Excellent	Fair	Excellent	Poor	N/A	N/A	N/A	N/A	Fair	N/A
Iodine	Excellent	Excellent	Poor	Poor	Poor	N/A	Excellent	Excellent	Excellent	Fair
Iodine (in alcohol)	N/A	Excellent	N/A	Poor	N/A	N/A	N/A	Poor	Fair	N/A
Iodoform	Fair	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Isooctane	Excellent	Excellent	N/A	N/A	Excellent	Poor	Excellent	Poor	Excellent	Excellent
Isopropyl Acetate	Excellent	Poor	N/A	Poor	Fair	Poor	N/A	Poor	Poor	Poor
Isopropyl Ether	Excellent	Poor	N/A	Poor	N/A	Poor	Excellent	Poor	Excellent	Poor
Isotane	N/A	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Poor
Jet Fuel (JP3, JP4, JP5)	Excellent	Fair	N/A	Excellent	N/A	Excellent	Excellent	Poor	Fair	Excellent
Kerosene	Excellent	Excellent	Poor	Excellent	Fair	Poor	Excellent	Fair	Excellent	Poor
Ketones	Excellent	Poor	Excellent	Poor	N/A	Poor	Poor	Fair	Excellent	Fair

**PLASTIC
CHEMICAL
CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Lacquer Thinners	Excellent	Poor	Excellent	Poor	Poor	Poor	N/A	Excellent	Excellent	Poor
Lacquers	Excellent	Poor	Excellent	Poor	N/A	Poor	N/A	Excellent	Excellent	Poor
Lactic Acid	Excellent	Poor	Poor	Poor	Poor	Poor	Excellent	Excellent	Poor	Poor
Lard	Excellent	Excellent	N/A	Excellent	N/A	Excellent	N/A	Excellent	Excellent	Poor
Latex	Excellent	N/A	Poor	Poor	N/A	N/A	N/A	N/A	Excellent	Excellent
Lead Acetate	Excellent	Poor	Poor	Poor	N/A	N/A	Excellent	Excellent	Excellent	Excellent
Lead Nitrate	Excellent	Excellent	Poor	N/A	N/A	N/A	N/A	Excellent	N/A	Excellent
Lead Sulfamate	Poor	Poor	N/A	Excellent	N/A	Excellent	N/A	Excellent	Poor	Excellent
Ligroin	Excellent	N/A	N/A	Poor	N/A	N/A	N/A	Excellent	Poor	Excellent
Lime	Excellent	Poor	N/A	Poor	N/A	N/A	N/A	Excellent	Excellent	N/A
Linoleic Acid	Excellent	Excellent	Excellent	Poor	N/A	N/A	N/A	Excellent	N/A	Poor
Lithium Chloride	Excellent	Poor	N/A	Excellent	N/A	Poor	N/A	Excellent	N/A	Excellent
Lithium Hydroxide	Excellent	N/A	N/A	N/A	N/A	Poor	N/A	N/A	N/A	N/A
Lubricants	Excellent	Poor	N/A	Excellent	Excellent	Excellent	N/A	Poor	Excellent	Excellent
Lye: Ca(OH) ₂ Calcium Hydroxide	Excellent	Poor	N/A	Poor	Poor	Poor	Excellent	Excellent	Excellent	Excellent
Lye: KOH Potassium Hydroxide	Excellent	Poor	Excellent	Excellent	Poor	Poor	Poor	Excellent	Fair	Excellent
Lye: NaOH Sodium Hydroxide	Excellent	Excellent	Fair	Fair	Fair	Poor	Poor	Poor	Excellent	Excellent
Magnesium Bisulfate	Excellent	Excellent	N/A	N/A	N/A	Excellent	N/A	N/A	Excellent	Excellent
Magnesium Carbonate	Excellent	Poor	Poor	Excellent	N/A	Excellent	N/A	Poor	N/A	Excellent
Magnesium Chloride	Excellent	Poor	Poor	Poor	Fair	Excellent	Excellent	Excellent	Excellent	Excellent
Magnesium Hydroxide	Excellent	Excellent	Poor	Excellent	Fair	Excellent	Excellent	Excellent	Poor	Excellent
Magnesium Nitrate	Excellent	Excellent	Poor	Excellent	N/A	Excellent	N/A	Excellent	Excellent	Excellent
Magnesium Oxide	Excellent	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	N/A	N/A
Magnesium Sulfate (Epsom Salts)	Excellent	Excellent	Poor	Poor	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Maleic Acid	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	Poor	Excellent	Excellent
Maleic Anhydride	Excellent	N/A	N/A	Poor	N/A	N/A	N/A	Poor	N/A	Poor
Malic Acid	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	Poor	Excellent	Excellent
Manganese Sulfate	Excellent	Fair	Poor	Excellent	N/A	Excellent	Excellent	Excellent	Excellent	N/A
Mash	N/A	N/A	N/A	Excellent	N/A	N/A	N/A	Excellent	Excellent	N/A

PLASTIC CHEMICAL CHART

**PLASTIC
CHEMICAL
CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Mayonnaise	Excellent	Poor	N/A	Excellent	N/A	N/A	N/A	Poor	Excellent	N/A
Melamine	Excellent	Poor	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent
Mercuric Chloride (dilute)	Excellent	Excellent	Poor	Poor	Poor	Excellent	Excellent	Excellent	Poor	Poor
Mercuric Cyanide	Poor	Excellent	Poor	N/A	N/A	N/A	Poor	Excellent	Excellent	Poor
Mercurous Nitrate	Excellent	Excellent	Fair	N/A	N/A	Excellent	N/A	Excellent	N/A	Excellent
Mercury	Excellent	Excellent	Poor	Excellent	Poor	Poor	Excellent	Excellent	Excellent	Poor
Methane	Excellent	Poor	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent
Methanol (Methyl Alcohol)	Excellent	Excellent	Poor	Excellent	Poor	Poor	Excellent	Excellent	Poor	Excellent
Methyl Acetate	Excellent	Poor	Poor	Poor	N/A	Poor	Excellent	Poor	Excellent	Poor
Methyl Acetone	Excellent	Poor	N/A	Poor	N/A	N/A	N/A	N/A	Excellent	N/A
Methyl Acrylate	N/A	N/A	N/A	Poor	N/A	N/A	N/A	N/A	N/A	Poor
Methyl Alcohol 10%	Excellent	Excellent	Poor	Excellent	Poor	Poor	Excellent	Excellent	Poor	Excellent
Methyl Bromide	Excellent	Poor	Poor	Poor	N/A	N/A	N/A	Fair	Poor	Fair
Methyl Butyl Ketone	N/A	Excellent	N/A	Poor	N/A	Poor	N/A	N/A	Poor	Poor
Methyl Cellosolve	Excellent	Poor	N/A	Poor	N/A	Poor	N/A	N/A	Fair	Poor
Methyl Chloride	Excellent	Poor	Poor	Poor	N/A	Poor	Excellent	Fair	Poor	Poor
Methyl Dichloride	N/A	Excellent	N/A	Poor	N/A	N/A	N/A	N/A	Fair	Poor
Methyl Ethyl Ketone	Excellent	Poor	Poor	Fair	Poor	Poor	Excellent	Poor	Excellent	Poor
Methyl Ethyl Ketone Peroxide	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methyl Isobutyl Ketone	Excellent	Poor	Poor	N/A	Poor	Poor	Excellent	Fair	Poor	Excellent
Methyl Isopropyl Ketone	Excellent	Poor	N/A	N/A	N/A	Poor	N/A	Poor	Excellent	N/A
Methyl Methacrylate	N/A	Excellent	N/A	Poor	N/A	N/A	N/A	N/A	N/A	Poor
Methylamine	Excellent	Poor	Poor	Poor	N/A	N/A	Excellent	Excellent	N/A	Excellent
Methylene Chloride	Excellent	Poor	Poor	Poor	Poor	Poor	Excellent	Poor	Fair	Poor
Milk	Excellent	Excellent	Poor	Excellent	N/A	Excellent	Excellent	Excellent	Excellent	Poor
Mineral Spirits	Excellent	Excellent	Poor	Excellent	N/A	Fair	Excellent	Poor	Excellent	Poor
Molasses	Excellent	Excellent	Poor	Excellent	N/A	N/A	Excellent	Excellent	Excellent	Poor
Monochloroacetic acid	Excellent	N/A	N/A	Poor	Poor	Poor	Poor	N/A	Poor	N/A
Monoethanolamine	Excellent	Poor	N/A	Poor	N/A	N/A	N/A	Fair	Excellent	Poor

**PLASTIC
CHEMICAL
CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Morpholine	Excellent	N/A	Fair	N/A	N/A	Poor	N/A	N/A	Excellent	Poor
Motor oil	Excellent	Poor	Fair	Poor	Poor	Excellent	Excellent	Fair	Excellent	Excellent
Mustard	Excellent	Poor	Poor	Fair	N/A	Excellent	N/A	Excellent	Excellent	Excellent
Naphtha	Poor	Excellent	Poor	Excellent	Poor	Poor	Excellent	Excellent	Excellent	Poor
Naphthalene	Excellent	Poor	Poor	Excellent	Poor	N/A	Excellent	Fair	Excellent	Poor
Natural Gas	Excellent	Excellent	Poor	Poor	N/A	N/A	N/A	Excellent	N/A	Excellent
Nickel Chloride	Excellent	Excellent	Excellent	Excellent	N/A	Excellent	Excellent	Excellent	Fair	Excellent
Nickel Nitrate	Excellent	Excellent	Excellent	N/A	N/A	Poor	Excellent	Excellent	Excellent	Excellent
Nickel Sulfate	Excellent	Excellent	Poor	Excellent	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Nitrating Acid (<15% HNO3)	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Fair
Nitrating Acid (>15% H2SO4)	Excellent	Poor	N/A	Poor	N/A	N/A	N/A	N/A	N/A	Fair
Nitrating Acid (5% Acid)	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Fair
Nitrating Acid (15% H2SO4)	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Fair
Nitric Acid (20%)	Excellent	Excellent	Poor	Poor	Poor	Poor	Excellent	Fair	Poor	Excellent
Nitric Acid (50%)	Excellent	Poor	Fair	Poor	Poor	Poor	Excellent	Poor	Poor	Poor
Nitric Acid (5-10%)	Excellent	Excellent	Poor	Poor	Fair	Excellent	Excellent	Poor	Poor	Excellent
Nitric Acid (Concentrated)	Excellent	Poor	Poor	Poor	Poor	Fair	Excellent	Fair	Poor	Poor
Nitrobenzene	Excellent	Poor	Poor	Fair	Poor	Poor	Excellent	Fair	Poor	Poor
Nitrogen Fertilizer	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitromethane	Excellent	Poor	Poor	Excellent	Fair	Poor	Excellent	Excellent	Poor	Poor
Nitrous Acid	Excellent	Excellent	Poor	N/A	N/A	N/A	Poor	N/A	N/A	Excellent
Nitrous Oxide	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	Fair	Fair	Poor
Oils:Aniline	Excellent	Poor	Poor	Poor	Poor	N/A	N/A	N/A	Excellent	Excellent
Oils:Anise	N/A	N/A	N/A	Poor	N/A	N/A	N/A	N/A	N/A	N/A
Oils:Bay	N/A	N/A	N/A	Poor	N/A	N/A	N/A	N/A	N/A	N/A
Oils:Bone	Excellent	N/A	N/A	Poor	N/A	N/A	N/A	N/A	N/A	Excellent
Oils:Castor	Excellent	Excellent	Excellent	Excellent	Poor	N/A	N/A	N/A	Excellent	Excellent
Oils:Cinnamon	Excellent	Poor	N/A	Poor	N/A	Poor	N/A	Poor	N/A	Poor
Oils:Citric	Excellent	Poor	Poor	Excellent	N/A	Excellent	N/A	Excellent	Excellent	Excellent

CHEMICAL	PTFE	PVC	ABS	ACETAL DELRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Oils:Clove	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oils:Coconut	Excellent	Excellent	Excellent	Excellent	N/A	N/A	N/A	Excellent	N/A	Excellent
Oils:Cod Liver	Excellent	Excellent	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	Excellent
Oils:Corn	Excellent	Poor	Poor	Excellent	Excellent	N/A	N/A	Excellent	Excellent	Excellent
Oils:Cottonseed	Excellent	Poor	Excellent	Excellent	Excellent	N/A	Excellent	Excellent	Poor	Excellent
Oils:Creosote	Excellent	Fair	N/A	Poor	Poor	N/A	Excellent	Fair	Poor	Fair
Oils:Diesel Fuel (20, 30, 40, 50)	Excellent	Poor	N/A	Poor	Excellent	N/A	Excellent	Excellent	Excellent	Excellent
Oils:Fuel (1, 2, 3, 5A, 5B, 6)	Excellent	Excellent	Poor	Poor	Excellent	Poor	Excellent	Poor	Excellent	Poor
Oils:Ginger	Excellent	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	N/A	N/A
Oils:Hydraulic Oil (Petro)	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	Fair	Excellent	Poor
Oils:Hydraulic Oil (Synthetic)	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	Excellent	Excellent	Poor
Oils:Lemon	Excellent	N/A	Fair	Poor	N/A	N/A	N/A	N/A	N/A	N/A
Oils:Linseed	Excellent	Excellent	N/A	Excellent	Poor	N/A	N/A	Excellent	Excellent	Excellent
Oils:Mineral	Excellent	Poor	Excellent	Excellent	Excellent	Poor	Excellent	Poor	Excellent	Excellent
Oils:Olive	Excellent	Fair	Excellent	Excellent	N/A	Excellent	N/A	Excellent	Excellent	Excellent
Oils:Orange	N/A	Fair	N/A	Poor	N/A	Fair	N/A	Fair	N/A	Excellent
Oils:Palm	Excellent	Excellent	Excellent	Excellent	N/A	N/A	N/A	Excellent	N/A	N/A
Oils:Peanut	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	Excellent	N/A	Poor
Oils:Peppermint	Excellent	N/A	Poor	Poor	N/A	N/A	N/A	N/A	N/A	N/A
Oils:Pine	Excellent	Poor	Poor	Excellent	N/A	Excellent	N/A	Poor	Excellent	Poor
Oils:Rapeseed	Excellent	N/A	N/A	Excellent	N/A	N/A	N/A	Poor	N/A	Poor
Oils:Rosin	Excellent	Fair	N/A	N/A	N/A	N/A	N/A	Poor	Excellent	Excellent
Oils:Sesame Seed	Excellent	Excellent	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	Excellent
Oils:Silicone	Excellent	Excellent	Excellent	Excellent	Excellent	N/A	N/A	Excellent	Excellent	Excellent
Oils:Soybean	Excellent	Excellent	Excellent	Excellent	Poor	N/A	N/A	Excellent	Excellent	Excellent
Oils:Sperm (whale)	Excellent	N/A	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A
Oils:Tanning	N/A	N/A	N/A	Poor	N/A	N/A	N/A	N/A	N/A	N/A
Oils:Transformer	Excellent	Poor	N/A	Excellent	N/A	N/A	N/A	Fair	Excellent	Poor
Oils:Turbine	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	Fair	Excellent	Poor

PLASTIC CHEMICAL CHART

**PLASTIC
CHEMICAL
CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Oleic Acid	Excellent	Fair	Poor	Excellent	Excellent	N/A	Poor	Fair	Excellent	Poor
Oleum 100%	Excellent	Poor	Poor	Poor	N/A	N/A	Excellent	Poor	Poor	Poor
Oleum 25%	Excellent	Poor	N/A	Poor	Fair	N/A	Excellent	Poor	Poor	Poor
Oxalic Acid (cold)	Excellent	Poor	Excellent	Poor	Poor	N/A	Poor	Excellent	Poor	Excellent
Ozone	Excellent	Poor	Poor	Fair	Fair	Excellent	Excellent	Fair	Poor	Poor
Palmitic Acid	Excellent	Poor	Excellent	Excellent	Excellent	N/A	N/A	N/A	Excellent	Poor
Paraffin	Excellent	Poor	Excellent	Excellent	N/A	Excellent	N/A	Poor	Excellent	Excellent
Pentane	Excellent	Excellent	N/A	Poor	N/A	Excellent	N/A	Poor	Excellent	Poor
Perchloric Acid	Excellent	Fair	N/A	Fair	N/A	N/A	Poor	Poor	Poor	Fair
Perchloroethylene	Excellent	Fair	Poor	Poor	Fair	Poor	Excellent	Poor	Fair	Poor
Petrolatum	Fair	Poor	N/A	Poor	N/A	N/A	N/A	Poor	Poor	Poor
Petroleum	Excellent	N/A	Poor	Poor	Poor	N/A	N/A	Fair	Excellent	Poor
Phenol (10%)	Excellent	Fair	Poor	Poor	N/A	Poor	Poor	Poor	Poor	Poor
Phenol (Carbolic Acid)	Excellent	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor
Phosphoric Acid (>40%)	Excellent	Poor	Fair	Poor	N/A	Excellent	Excellent	Poor	Poor	Excellent
Phosphoric Acid (crude)	Excellent	Poor	Fair	Poor	N/A	Excellent	Excellent	Poor	Poor	Poor
Phosphoric Acid (molten)	N/A	Poor	Poor	Poor	N/A	N/A	N/A	N/A	N/A	Poor
Phosphoric Acid (Š40%)	Excellent	Poor	Poor	Poor	N/A	Excellent	Excellent	Excellent	Poor	Excellent
Phosphoric Acid Anhydride	N/A	N/A	N/A	Poor	N/A	Poor	N/A	N/A	N/A	Excellent
Phosphorus	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	Poor	N/A	Excellent
Phosphorus Trichloride	Excellent	Poor	Poor	Poor	N/A	Fair	Excellent	Poor	N/A	N/A
Photographic Developer	Excellent	Excellent	Poor	Poor	N/A	Excellent	N/A	Excellent	N/A	Excellent
Photographic Solutions	Excellent	Excellent	N/A	Poor	Poor	Excellent	Excellent	Excellent	Excellent	Excellent
Phthalic Acid	Excellent	N/A	Poor	Fair	N/A	N/A	N/A	Poor	Poor	Excellent
Phthalic Anhydride	Excellent	Poor	Poor	Fair	N/A	Excellent	N/A	N/A	N/A	Poor
Picric Acid	Excellent	Poor	Excellent	Excellent	N/A	Poor	Excellent	Excellent	Fair	Poor
Plating Solutions, Antimony Plating 130°F	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Arsenic Plating 110°F	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent

**PLASTIC
CHEMICAL
CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Plating Solutions, Brass Plating: High-Speed Brass Bath 110°F	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	Poor	Excellent	Excellent
Plating Solutions, Brass Plating: Regular Brass Bath 100°F	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	Poor	Excellent	Excellent
Plating Solutions, Bronze Plating: Cu- Cd Bronze Bath R.T.	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Bronze Plating: Cu-Sn Bronze Bath 160°F	Excellent	Poor	N/A	Poor	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Bronze Plating: Cu-Zn Bronze Bath 100°F	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Cadmium Plating: Cyanide Bath 90°F	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Cadmium Plating: Fluoborate Bath 100°F	Excellent	Excellent	N/A	Fair	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Chromium Plating: Barrel Chrome Bath 95°F	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Chromium Plating: Black Chrome Bath 115°F	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Chromium Plating: Chromic-Sulfuric Bath 130°F	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Chromium Plating: Fluoride Bath 130°F	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Chromium Plating: Fluosilicate Bath 95°F	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	N/A	Poor	Poor
Plating Solutions, Copper Plating (Acid): Copper Fluoborate Bath 120°F	Excellent	Excellent	N/A	Fair	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Copper Plating (Acid): Copper Sulfate Bath R.T.	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Copper Plating (Cyanide): Copper Strike Bath 120°F	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Copper Plating (Cyanide): High-Speed Bath 180°F	Excellent	Poor	N/A	Poor	N/A	N/A	N/A	N/A	Excellent	Excellent



**PLASTIC
CHEMICAL
CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Plating Solutions, Copper Plating (Cyanide): Rochelle Salt Bath 150°F	Excellent	Poor	N/A	Poor	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Copper Plating (Misc): Copper (Electroless)	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Copper Plating (Misc): Copper Pyrophosphate	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Gold Plating: Acid 75°F	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Gold Plating: Cyanide 150°F	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Gold Plating: Neutral 75°F	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Indium Sulfamate Plating R.T.	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Iron Plating: Ferrous Am Sulfate Bath 150°F	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Iron Plating: Ferrous Chloride Bath 190°F	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Fair
Plating Solutions, Iron Plating: Ferrous Sulfate Bath 150°F	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Iron Plating: Fluoborate Bath 145°F	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Iron Plating: Sulfamate 140°F	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Iron Plating: Sulfate-Chloride Bath 160°F	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Lead Fluoborate Plating	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Nickel Plating: Electroless 200°F	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Poor
Plating Solutions, Nickel Plating: Fluoborate 100-170°F	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent

**PLASTIC
CHEMICAL
CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Plating Solutions, Nickel Plating: High-Chloride 130-160°F	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Nickel Plating: Sulfamate 100-140°F	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Nickel Plating: Watts Type 115-160°F	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Rhodium Plating 120°F	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Silver Plating 80-120°F	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Excellent	Excellent
Plating Solutions, Tin-Fluoborate Plating 100°F	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Tin-Lead Plating 100°F	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Zinc Plating: Acid Chloride 140°F	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Zinc Plating: Acid Fluoborate Bath R.T.	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Zinc Plating: Acid Sulfate Bath 150°F	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Excellent
Plating Solutions, Zinc Plating: Alkaline Cyanide Bath R.T.	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Excellent	Excellent
Potash (Potassium Carbonate)	N/A	Excellent	Excellent	Poor	Poor	N/A	N/A	Excellent	Excellent	Excellent
Potassium Bicarbonate	Excellent	Excellent	Excellent	Fair	N/A	N/A	Excellent	Excellent	Excellent	Excellent
Potassium Bromide	Excellent	Excellent	Excellent	Excellent	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Potassium Chlorate	Excellent	Excellent	Excellent	Poor	N/A	Excellent	Excellent	Excellent	Fair	Excellent
Potassium Chloride	Excellent	Excellent	Excellent	Excellent	Poor	Excellent	Excellent	Excellent	Excellent	Excellent
Potassium Chromate	Excellent	Excellent	N/A	Fair	N/A	N/A	N/A	Excellent	Poor	Excellent
Potassium Cyanide Solutions	Excellent	Excellent	Excellent	Fair	Poor	N/A	Excellent	Excellent	Excellent	Excellent
Potassium Dichromate	Excellent	Excellent	Poor	Excellent	Fair	Excellent	Excellent	Excellent	Poor	Excellent
Potassium Ferricyanide	Excellent	Excellent	Poor	Poor	N/A	N/A	Excellent	Excellent	Poor	Excellent
Potassium Ferrocyanide	Excellent	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent	Poor	Excellent

**PLASTIC
CHEMICAL
CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Potassium Hydroxide (Caustic Potash)	Excellent	Excellent	Excellent	Excellent	Poor	Poor	Poor	Excellent	Fair	Excellent
Potassium Hypochlorite	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	Fair	Poor	N/A
Potassium Iodide	Excellent	Excellent	Poor	N/A	N/A	N/A	N/A	Poor	Excellent	Excellent
Potassium Nitrate	Excellent	Excellent	Poor	Excellent	Poor	Excellent	N/A	Excellent	Poor	Excellent
Potassium Oxalate	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potassium Permanganate	Excellent	Excellent	Poor	Excellent	Poor	Excellent	N/A	Excellent	Poor	Excellent
Potassium Sulfate	Excellent	Excellent	Poor	Poor	Poor	Excellent	Excellent	Excellent	Excellent	Excellent
Potassium Sulfide	Excellent	Excellent	Poor	N/A	N/A	N/A	Excellent	Excellent	Excellent	Excellent
Propane (liquefied)	Excellent	Excellent	N/A	Excellent	Excellent	Fair	Excellent	Fair	Excellent	Excellent
Propylene	Excellent	Poor	Poor	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Propylene Glycol	Excellent	Fair	Poor	Poor	N/A	Poor	N/A	Poor	Excellent	Excellent
Pyridine	Excellent	Poor	N/A	Poor	Fair	Poor	Excellent	Poor	Fair	Excellent
Pyrogallic Acid	Excellent	Excellent	N/A	Poor	N/A	N/A	Excellent	N/A	N/A	Excellent
Resorcinal	Excellent	Fair	Excellent	N/A	Poor	Poor	N/A	Poor	Poor	Excellent
Rosins	Excellent	Fair	N/A	Poor	N/A	N/A	Excellent	Poor	Excellent	Excellent
Rum	N/A	Excellent	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent
Rust Inhibitors	N/A	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	N/A	Excellent
Salad Dressings	N/A	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent
Salicylic Acid	Excellent	Poor	Excellent	Poor	N/A	Excellent	Excellent	Poor	Excellent	Excellent
Salt Brine (NaCl saturated)	Excellent	Excellent	N/A	N/A	Excellent	Excellent	N/A	Excellent	Excellent	Excellent
Sea Water	Excellent	Excellent	N/A	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Shellac (Bleached)	Excellent	N/A	N/A	Excellent	N/A	N/A	N/A	Excellent	Excellent	Excellent
Shellac (Orange)	Excellent	N/A	N/A	Excellent	N/A	N/A	N/A	Excellent	Excellent	Excellent
Silicone	Excellent	Excellent	Poor	Excellent	Excellent	Excellent	N/A	N/A	Excellent	Excellent
Silver Bromide	Excellent	N/A	N/A	Fair	N/A	N/A	Excellent	Excellent	N/A	N/A
Silver Nitrate	Excellent	Excellent	Poor	Excellent	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Soap Solutions	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	N/A	Poor	Excellent	Excellent
Soda Ash (see Sodium Carbonate)	Excellent	Excellent	Poor	Excellent	Poor	Excellent	N/A	Poor	Poor	Excellent
Sodium Acetate	Excellent	Poor	Poor	Poor	N/A	Excellent	Excellent	Excellent	Poor	Excellent

**PLASTIC
CHEMICAL
CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Sodium Aluminate	Excellent	N/A	N/A	Poor	N/A	N/A	N/A	N/A	Excellent	N/A
Sodium Benzoate	Excellent	Poor	Excellent	N/A	N/A	Excellent	N/A	Excellent	Poor	Excellent
Sodium Bicarbonate	Excellent	Excellent	Excellent	Excellent	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Sodium Bisulfate	Excellent	Excellent	Excellent	Poor	Fair	Excellent	Excellent	Excellent	Excellent	Excellent
Sodium Bisulfite	Excellent	Excellent	Excellent	Fair	Poor	Excellent	N/A	Excellent	Fair	Excellent
Sodium Borate (Borax)	Excellent	Excellent	Excellent	N/A	Poor	Excellent	N/A	Excellent	Excellent	Excellent
Sodium Bromide	Excellent	Poor	Poor	Excellent	N/A	N/A	Excellent	Excellent	Poor	N/A
Sodium Carbonate	Excellent	Excellent	Poor	Excellent	N/A	Excellent	Excellent	Poor	Poor	Excellent
Sodium Chlorate	Excellent	Excellent	Excellent	Excellent	N/A	Excellent	N/A	Poor	Poor	Excellent
Sodium Chloride	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Sodium Chromate	Excellent	N/A	N/A	Poor	N/A	Excellent	Excellent	N/A	Fair	N/A
Sodium Cyanide	Excellent	Excellent	Excellent	Excellent	Poor	N/A	Excellent	Excellent	Excellent	Excellent
Sodium Ferrocyanide	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	Excellent	N/A	Excellent
Sodium Fluoride	Excellent	Excellent	Excellent	N/A	N/A	N/A	N/A	Excellent	Poor	Excellent
Sodium Hydrosulfite	Excellent	Fair	N/A	N/A	N/A	N/A	N/A	N/A	Excellent	N/A
Sodium Hydroxide (20%)	Excellent	Excellent	Poor	Excellent	Poor	Excellent	Excellent	Poor	Excellent	Excellent
Sodium Hydroxide (50%)	Excellent	Excellent	Excellent	Excellent	Fair	Poor	Poor	Poor	Excellent	Excellent
Sodium Hydroxide (80%)	Excellent	Excellent	Excellent	Poor	N/A	Poor	Excellent	Poor	Fair	Excellent
Sodium Hypochlorite (<20%)	Excellent	Excellent	Poor	Poor	Excellent	Fair	Excellent	Excellent	Poor	Excellent
Sodium Hypochlorite (100%)	Excellent	Poor	N/A	Poor	Poor	N/A	Excellent	Poor	Poor	Poor
Sodium Hyposulfate	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium Metaphosphate	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	Excellent	Excellent	Excellent
Sodium Metasilicate	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	N/A	N/A	Excellent
Sodium Nitrate	Excellent	Excellent	N/A	Excellent	N/A	N/A	Excellent	Excellent	Excellent	Excellent
Sodium Perborate	Excellent	Excellent	N/A	Poor	N/A	N/A	Excellent	Excellent	Poor	Excellent
Sodium Peroxide	Excellent	Poor	N/A	Poor	N/A	Excellent	Excellent	Excellent	Excellent	Poor
Sodium Polyphosphate	Excellent	Excellent	N/A	Poor	N/A	N/A	Excellent	Excellent	Excellent	Excellent
Sodium Silicate	Excellent	Excellent	N/A	Fair	N/A	N/A	Excellent	Excellent	Excellent	Excellent
Sodium Sulfate	Excellent	Excellent	N/A	Poor	N/A	Excellent	Excellent	Excellent	Excellent	Excellent

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Sodium Sulfide	Excellent	Excellent	N/A	Poor	N/A	Poor	Excellent	Excellent	Excellent	Excellent
Sodium Sulfite	Excellent	Excellent	N/A	N/A	N/A	N/A	Excellent	Poor	Poor	Excellent
Sodium Tetraborate	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	Excellent	Excellent	N/A
Sodium Thiosulfate (hypo)	Excellent	Excellent	N/A	Fair	N/A	Poor	Excellent	Excellent	Poor	Excellent
Sorghum	N/A	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	N/A
Soy Sauce	N/A	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	N/A
Stannic Chloride	Excellent	Excellent	N/A	Fair	N/A	Excellent	Excellent	Excellent	Poor	Excellent
Stannic Fluoborate	N/A	N/A	N/A	Fair	N/A	N/A	N/A	N/A	N/A	N/A
Stannous Chloride	Excellent	Excellent	N/A	N/A	Fair	N/A	Excellent	Poor	Fair	Excellent
Starch	Excellent	Excellent	N/A	Excellent	N/A	N/A	Excellent	Poor	Excellent	Excellent
Stearic Acid	Excellent	Poor	N/A	Excellent	Fair	Excellent	N/A	Poor	Excellent	Excellent
Stoddard Solvent	Excellent	Fair	Poor	Excellent	N/A	Excellent	Excellent	Fair	Excellent	Fair
Styrene	Excellent	Poor	N/A	Excellent	Poor	Poor	N/A	N/A	Excellent	N/A
Sugar (Liquids)	Excellent	N/A	Poor	Excellent	N/A	N/A	N/A	N/A	Excellent	Excellent
Sulfate (Liquors)	Excellent	Poor	N/A	Poor	N/A	N/A	N/A	Excellent	Poor	Excellent
Sulfur Chloride	Excellent	Fair	N/A	Poor	N/A	N/A	Excellent	Fair	Excellent	Fair
Sulfur Dioxide	Excellent	Excellent	Poor	Poor	Fair	N/A	Excellent	Poor	Fair	Excellent
Sulfur Dioxide (dry)	Excellent	Excellent	N/A	Poor	Fair	Excellent	Excellent	Excellent	Poor	Excellent
Sulfur Hexafluoride	N/A	Poor	N/A	N/A	N/A	N/A	N/A	Poor	Poor	N/A
Sulfur Trioxide	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	Poor	Fair
Sulfur Trioxide (dry)	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	Fair	Excellent	Poor
Sulfuric Acid (<10%)	Excellent	Excellent	Poor	Poor	Excellent	Excellent	Excellent	Excellent	Fair	Excellent
Sulfuric Acid (10-75%)	Excellent	Excellent	Poor	Poor	N/A	Poor	Excellent	Excellent	Poor	Excellent
Sulfuric Acid (75-100%)	Excellent	Poor	N/A	N/A	Fair	Poor	Excellent	Poor	Poor	Fair
Sulfuric Acid (cold concentrated)	Excellent	Poor	N/A	N/A	Poor	N/A	Excellent	Fair	Poor	Excellent
Sulfuric Acid (hot concentrated)	Excellent	Poor	N/A	N/A	N/A	Poor	Excellent	Poor	Poor	Poor
Sulfurous Acid	Excellent	Excellent	N/A	Fair	N/A	N/A	Excellent	Poor	Poor	Excellent
Sulfuryl Chloride	Excellent	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	N/A	N/A
Tallow	Excellent	N/A	N/A	Excellent	N/A	N/A	N/A	Fair	Excellent	Excellent

PLASTIC CHEMICAL CHART

**PLASTIC
CHEMICAL
CHART**

CHEMICAL	PTFE	PVC	ABS	ACETAL DELTRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Tannic Acid	Excellent	Excellent	N/A	Poor	Excellent	Fair	Excellent	Poor	Fair	Excellent
Tanning Liquors	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	Excellent	Excellent	Excellent
Tartaric Acid	Excellent	Excellent	N/A	Poor	Fair	N/A	Excellent	Excellent	Poor	Excellent
Tetrachloroethane	Excellent	Fair	N/A	Excellent	N/A	N/A	Excellent	N/A	Fair	Fair
Tetrachloroethylene	Excellent	Poor	N/A	Excellent	N/A	Poor	Excellent	Poor	Excellent	Poor
Tetrahydrofuran	Excellent	Poor	N/A	Excellent	Poor	Poor	Excellent	Fair	Excellent	Fair
Tin Salts	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Excellent
Toluene (Toluol)	Excellent	Poor	Poor	Fair	Poor	Poor	Poor	Fair	Excellent	Fair
Tomato Juice	Excellent	Excellent	Poor	Poor	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Trichloroacetic Acid	Excellent	Poor	N/A	N/A	N/A	Poor	Excellent	Excellent	Fair	Excellent
Trichloroethane	Excellent	Fair	N/A	Excellent	N/A	Poor	Excellent	N/A	Fair	Fair
Trichloroethylene	Excellent	Poor	Poor	Poor	Fair	N/A	Excellent	Poor	Fair	Fair
Trichloropropane	Excellent	N/A	Poor	Excellent	N/A	N/A	Excellent	N/A	N/A	N/A
Tricresylphosphate	Excellent	Poor	Poor	Fair	N/A	N/A	N/A	Poor	Excellent	Excellent
Triethylamine	Excellent	Poor	N/A	Poor	N/A	N/A	Excellent	N/A	Excellent	Poor
Trisodium Phosphate	Excellent	Excellent	Poor	Excellent	Excellent	N/A	N/A	Excellent	Excellent	Excellent
Turpentine	Excellent	Poor	Poor	Excellent	N/A	Poor	Excellent	Poor	Poor	Poor
Urea	Excellent	Poor	Poor	Excellent	N/A	Poor	N/A	Excellent	Excellent	Excellent
Uric Acid	Excellent	Excellent	N/A	N/A	N/A	N/A	N/A	Poor	Excellent	N/A
Urine	Excellent	Excellent	N/A	Excellent	N/A	N/A	N/A	Excellent	Poor	Excellent
Varnish	Excellent	Poor	N/A	Excellent	N/A	N/A	Excellent	Excellent	Excellent	Excellent
Vegetable Juice	Excellent	N/A	Poor	Excellent	N/A	N/A	N/A	N/A	Excellent	N/A
Vinegar	Excellent	Poor	Excellent	Poor	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Vinyl Acetate	Excellent	Poor	N/A	N/A	N/A	N/A	N/A	Excellent	N/A	Poor
Vinyl Chloride	Excellent	Poor	Poor	N/A	N/A	N/A	N/A	N/A	Excellent	N/A
Water, Acid, Mine	Excellent	Poor	Poor	Excellent	N/A	Poor	Excellent	Excellent	Excellent	Excellent
Water, Deionized	Excellent	Excellent	N/A	N/A	N/A	N/A	Excellent	N/A	Excellent	Excellent
Water, Distilled	Excellent	Excellent	Poor	Poor	N/A	Excellent	Excellent	Excellent	Excellent	Excellent
Water, Fresh	Excellent	Poor	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent

CHEMICAL	PTFE	PVC	ABS	ACETAL DELRIN	HYTREL	POLYCARBONATE	KEL-F	LDPE	NYLON	POLYPROPYLENE
Water, Salt	Excellent	Poor	N/A	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Weed Killers	N/A	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	Excellent	N/A
Whey	Excellent	N/A	N/A	Excellent	N/A	N/A	N/A	N/A	N/A	N/A
Whiskey & Wines	Excellent	Excellent	Fair	Excellent	N/A	Excellent	Excellent	Fair	Excellent	Excellent
White Liquor (Pulp Mill)	Excellent	Excellent	N/A	Poor	N/A	N/A	N/A	Excellent	Excellent	Excellent
White Water (Paper Mill)	N/A	Excellent	N/A	Poor	N/A	N/A	N/A	N/A	Excellent	Excellent
Xylene	Excellent	Poor	Poor	Excellent	Poor	Poor	Excellent	Poor	Excellent	Poor
Zinc Chloride	Excellent	Poor	Excellent	Fair	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Zinc Hydrosulfite	Excellent	N/A	Excellent	Fair	N/A	N/A	N/A	N/A	Excellent	N/A
Zinc Sulfate	Excellent	Excellent	Excellent	Fair	N/A	Excellent	Excellent	Excellent	Excellent	Excellent

PLASTIC CHEMICAL CHART

Explanation of Footnotes

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

Ratings -- Chemical Effect

Excellent -- No Problems

Good -- Minor Effect, slight corrosion or discoloration.

Fair -- Moderate Effect. Not recommended for continuous use. Softening, loss of strength and swelling may occur.

Poor -- not recommended for ANY use.

N/A = Information Not Available.

DANGER!

Variations in chemical behavior during handling due to factors such as temperature, pressure, and concentration may cause equipment to fail, even though it passed an initial test. SERIOUS INJURY MAY RESULT. Use suitable guards and/or personal protection when handling chemicals.

WARNING!

The information in this chart has been supplied to Vicone by other reputable sources and is to be used ONLY as a guide in selecting equipment for appropriate chemical compatibility. Before permanent installation, be sure to test the equipment with the appropriate chemicals and under the specific conditions of your application.

Chemical behavior ratings listed in this chart apply to a 48-hr exposure period; We have no knowledge of possible effects beyond this period. We do not warrant (neither express or implied) that the information in this chart is accurate or complete or that any material is suitable for any purpose.