



## CHEMICAL RESISTANCE CHART

This chart should only serve as a general guide. Ratings are based on published literature from industry suppliers and manufacturers. We cannot guarantee the accuracy of these calculations or assume responsibility for the use thereof. ABC Industries, Inc. recommends further testing for each specific application.

### Chemicals

THU - Thermoplastic Urethane

THE - Thermoplastic Elastomer

THP - Polyvinylchloride (PVC)

### Ratings

G = Good

F = Fair

P = Poor

ND = No Data

	THU	THE	THP
Acetaldehyde	P	ND	P
Acetamide	N	ND	P
Acetate Solvents	D	ND	P
Acetic Acid, glacial	N	ND	ND
Acetic Acid, 30%	D	ND	G
Acetic Acid, 50%	G	ND	G
Acetic Anhydride	N	ND	F
Acetone	D	ND	ND
Acetonitrile	N	ND	P
Acetyl Acetone	D	P	P
Acetylene	P	ND	G
Acrylonitrile	P	ND	P
Alcohol, Butyl	N	ND	F
Alcohol, Isopropyl	D	ND	G
Alcohol, Methyl	N	ND	G
Allyl Chloride	D	ND	P
Aluminum Acetate	N	ND	G
Aluminum Chloride	D	ND	ND
Aluminum Nitrate	N	ND	G
Aluminum Phosphate	D	ND	G
Aluminum Sulfate	N	ND	G
Ammonia, aqueous	D	ND	G
Ammonia, liquid	N	ND	P
Ammonium Carbonate	D	ND	G
Ammonium Hydroxide	N	ND	G
Ammonium Metaphosphate	D	ND	G
Ammonium Nitrate	N	ND	G

	THU	THE	THP
Ammonium Nitrite	DN	ND	G
Ammonium Phosphate	DG	ND	G
Ammonium Sulfate	ND	ND	G
Ammonium Thiocyanate	ND	ND	G
Amyl Acetate	ND	ND	P
Aniline	ND	ND	F
Aniline Dyes	ND	ND	G
Aniline Hydrochloride	ND	ND	P
Animal Fats	G	ND	G
Anthraquinone	ND	ND	G
Aqua Regia	F	ND	F
Aromatic Hydrocarbons	ND	ND	P
Arsenic Acid	G	ND	G
ASTM Reference Fuel A	G	ND	P
ASTM Reference Fuel B	ND	ND	P
ASTM Reference Fuel C	ND	ND	P
Barium Chloride	ND	ND	G
Barium Hydroxide	G	ND	G
Barium Sulfate	ND	ND	G
Barium Sulfide	G	ND	G
Benzaldehyde	ND	ND	F
Benzene	ND	ND	P
Benzoic Acid	ND	ND	G
Bismuth Carbonate	ND	ND	G
Borax	ND	ND	G
Boric Acid	ND	ND	G
Brine	ND	ND	G



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	THU	THE	THP
Bromine	G	ND	F
Bromo Benzene	G	ND	P
Butadiene	ND	ND	G
Butane	G	ND	G
Butanol, primary	ND	ND	G
Butraldehyde	P	ND	ND
Butyl Acetate	ND	ND	P
Butyl Ether	ND	ND	G
Butyl Phenol	G	ND	P
Butyl Stearate	G	ND	G
Butylene	G	ND	G
Calcium Bisulfate	ND	ND	G
Calcium Bisulfite	ND	ND	G
Calcium Carbonate	ND	ND	G
Calcium Chloride	G	ND	G
Calcium Hydroxide	ND	ND	G
Calcium Hypochlorite	F	ND	G
Calcium Nitrate	P	ND	G
Calcium Sulfate	ND	ND	G
Calcium Sulfide	ND	ND	G
Carbitol	ND	ND	F
Carbolic Acid	ND	ND	P
Carbon Bisulfide	ND	ND	P
Carbon Dioxide	F	ND	G
Carbon Monoxide	ND	ND	G
Carbon Tetrachloride	G	ND	P
Carbon Tetrafluoride	G	ND	P
Carbonic Acid	G	ND	G
Caustic Potash	G	ND	G
Caustic Soda	ND	ND	G
Cellosolve	G	ND	G

	THU	THE	THP
Cellulube	ND	ND	P
Chlorine Gas, dry	ND	ND	G
Chlorine Gas, wet	P	ND	P
Chlorine Water, saturated	G	ND	G
Chloroprene	G	ND	P
Chlorothene	P	ND	F
Chromic Acid	ND	ND	ND
Citric Acid	ND	ND	G
Copper Chloride	ND	ND	G
Copper Cyanide	ND	ND	G
Copper Nitrate	NN	ND	G
Copper Sulfate	ND	ND	G
Cottonseed Oil	ND	ND	G
Cresylic Acid	ND	ND	P
Crotonaldehyde	ND	ND	G
Cyclohexane	ND	ND	P
Cyclohexanol	ND	ND	P
Cyclohexanone	P	P	P
Dibenzyl Ether	G	ND	P
Dibutyl Phthalate	G	ND	P
Dibutyl Sebacate	ND	ND	F
Dichlorobenzene	ND	ND	P
Dichloroethylene	G	ND	P
Dichloromethane	G	ND	P
Diethylether	P	ND	P
Diethylene Glycol	ND	ND	G
Diethylene Glycol-Monobutyl Ether	G	ND	F
Diglycolic Acid	ND	ND	G
Dimethylamine	ND	ND	P
Dimethylamniline	ND	ND	P
Dimethylformamide	ND	ND	P



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	THU	THE	THP
Dimethylphthalate	ND	ND	F
Dioctylphthalate	ND	ND	P
Dioxane	ND	ND	P
Diphenyl	ND	ND	P
Diphenyl Oxide	ND	ND	P
Epichlorohydrin	ND	ND	P
Ethanol Amine	ND	ND	F
Ethyl Acetate	ND	ND	P
Ethyl Acrylate	ND	ND	P
Ethyl Alcohol	ND	P	G
Ethyl Benzene	ND	ND	P
Ethyl Cellulose	ND	ND	ND
Ethyl Chloride	ND	ND	P
Ethyl Dichloride	ND	ND	P
Ethyl Ether	ND	ND	P
Ethylene Chloride	ND	ND	P
Ethylene Chlorohydrine	ND	ND	P
Ethylene Diamine	ND	ND	P
Ethylene Dichloride	P	ND	P
Ethylene Glycol	ND	G	GP
Ethylene Oxide	F	ND	G
Fatty Acids	ND	ND	G
Ferric Chloride	F	ND	G
Ferric Sulfate	ND	ND	G
Ferrous Chloride	ND	ND	G
Ferrous Sulfate	ND	ND	G
Fluorine Gas, wet	ND	ND	G
Formaldehyde	ND	ND	G
Formamide	ND	G	P
Formic Acid	ND	ND	ND
Freon 11	G	ND	ND

	THU	THE	THP
Freon 113	ND	ND	ND
Freon 12	G	ND	ND
Fuel Oil	G	ND	G
Furan	ND	ND	G
Furfural	ND	ND	P
Gallic Acid	ND	ND	G
Gasoline	ND	ND	P
Glucose	P	ND	G
Glycerine	ND	ND	G
Glycol	P	ND	G
Glycolic Acid	F	ND	G
Heptane	G	ND	F
Hexane	G	P	G
Hexanol	G	ND	G
Hydraulic Oil	ND	ND	ND
Hydroquinone	ND	ND	G
Hydrochloric Acid, 10%	ND	ND	G
Hydrocyanic Acid	G	ND	G
Hydrofluoric Acid, 10%	G	ND	G
Hydrofluoric Acid, 75%	G	ND	F
Hydrogen	G	ND	G
Hydrogen Cyanide	ND	ND	G
Hydrogen Peroxide, 10%	ND	ND	G
Hydrogen Peroxide, 30%	ND	ND	G
Hydrogen Sulfide, aqueous	ND	ND	G
Hydroxylaminesulfate	F	ND	G
Isooctane	ND	ND	G
Isopropyl Acetate	ND	ND	F
Isopropyl Benzene	ND	ND	P
Isopropyl Ether	ND	ND	F
Kerosene	ND	ND	G



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	THU	THE	THP
Ketones	ND	ND	P
Lacquers	ND	ND	ND
Lead Acetate	ND	ND	G
Lead Arsenate	ND	ND	G
Linolic Acid	ND	ND	G
Linseed Oil	ND	ND	G
Lubricating Oils	ND	ND	ND
Magnesium Chloride	P	ND	G
Magnesium Hydroxide	ND	ND	ND
Magnesium Sulfate	ND	ND	G
Maleic Acid	G	ND	G
Mercuric Chloride	ND	ND	G
Mercurous Nitrate	P	ND	G
Mercury	ND	ND	G
Mesityl Oxide	ND	ND	P
Methane	G	ND	G
Methanol	F	ND	G
Methyl Acetate	G	ND	G
Methyl Acrylate	G	ND	P
Methyl Bromide	G	ND	P
Methyl Butyl Ketone	G	ND	ND
Methyl Chloride	ND	ND	P
Methyl Ethyl Ketone	ND	P	P
Methyl Isobutyl Ketone	ND	ND	P
Methylene Chloride	G	ND	P
Mineral Oils	ND	P	G
Naphtha	ND	ND	F
Naphthalene	ND	ND	P
Natural Gas	ND	ND	G
Nickel Acetate	ND	ND	G
Nickel Chloride	ND	ND	G

	THU	THE	THP
Nickel Sulfate	G	ND	G
Nitric Acid, 10%	N	ND	G
Nitric Acid, 25%	D	ND	G
Nitric Acid, 40%	F	ND	G
Nitric Acid, 50%	N	ND	F
Nitric Acid, 60%	D	ND	F
Nitric Acid, 70%	N	ND	P
Nitric Acid, dilute	D	ND	ND
Nitrobenzene	G	ND	P
Nitrous Oxide	F	ND	G
Octanol	G	ND	P
Oleic Acid	N	ND	G
Oleum	D	ND	P
Olive Oil	N	ND	G
Oxalic Acid	D	ND	G
Ozone	G	ND	G
Palmitic Acid	G	ND	G
Pentane	N	ND	G
Peracetic Acid	D	ND	P
Perchloric Acid	N	ND	F
Perechloroethylene	D	ND	F
Phenol	N	ND	P
Phosphoric Acid, 20%	D	ND	ND
Phosphoric Acid, 45%	N	ND	ND
Phosphoric Acid, 50%	D	ND	G
Phosphoric Acid, 85%	N	ND	G
Phosphorus Oxychloride	D	ND	P
Picric Acid	N	ND	P
Pine Oil	D	ND	F
Potassium Acetate	P	ND	G
Potassium Bicarbonate	N	ND	G



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	THU	THE	THP
Potassium Bichromate	D	ND	G
Potassium Bisulfate	ND	ND	G
Potassium Borate	ND	ND	G
Potassium Bromate	G	ND	G
Potassium Bromide	ND	ND	G
Potassium Carbonate	G	ND	G
Potassium Chlorate	G	ND	G
Potassium Chloride	G	ND	G
Potassium Chromate	G	ND	G
Potassium Cyanide	ND	ND	G
Potassium Dichromate	ND	ND	G
Potassium Hydroxide	P	ND	G
Potassium Hypochlorite	ND	ND	G
Potassium Nitrate	F	ND	G
Potassium Permanganate	G	ND	G
Potassium Persulfate	G	ND	G
Potassium Sulfate	ND	ND	G
Potassium Sulfite	ND	ND	G
Propane	ND	ND	G
Propylene Dichloride	ND	ND	P
Propylene Glycol	G	P	F
Prussic Acid	ND	ND	G
Pyranol	ND	ND	F
Pyridine	ND	ND	P
Salicylic Acid	ND	ND	G
Salt/Sea Water	ND	ND	G
Sewage	ND	ND	G
Silicone Oils & Greases	ND	ND	G
Silver Nitrate	ND	ND	G
Soap Solutions	ND	ND	G
Sodium Acetate	G	ND	G

	THU	THE	THP
Sodium Benzoate	ND	ND	G
Sodium Bicarbonate	ND	ND	G
Sodium Bisulfate	ND	ND	G
Sodium Bisulfite	G	ND	G
Sodium Borate	ND	ND	G
Sodium Bromide	G	ND	G
Sodium Carbonate	ND	ND	G
Sodium Chlorate	ND	ND	G
Sodium Chloride	G	ND	G
Sodium Cyanide	ND	ND	G
Sodium Dichromate	ND	ND	G
Sodium Fluoride	ND	ND	G
Sodium Hydroxide, 50%	ND	ND	G
Sodium Metaphosphate	ND	ND	G
Sodium Nitrate	ND	ND	G
Sodium Perborate	ND	ND	G
Sodium Peroxide	ND	ND	G
Sodium Phosphate	G	ND	G
Sodium Silicate	G	ND	G
Sodium Sulfate	G	ND	G
Sodium Sulfide	ND	ND	G
Sodium Sulfite	G	ND	G
Sodium Thiosulfate	ND	ND	G
Soybean Oil	ND	ND	G
Starch	G	ND	G
Stearic Acid	ND	ND	G
Sulfur	ND	ND	G
Sulfur Dioxide, dry	ND	ND	G
Sulfur Dioxide, wet	ND	ND	P
Sulfur Trioxide	ND	ND	G
Sulfuric Acid, 10%	ND	ND	G



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	THU	THE	THP
Sulfuric Acid, 30%	G	ND	G
Sulfuric Acid, 50%	ND	ND	G
Sulfuric Acid, 60%	ND	ND	G
Sulfuric Acid, 75%	ND	ND	G
Sulfuric Acid, 90%	ND	ND	F
Sulfuric Acid, dilute	ND	ND	ND
Sulfurous Acid	G	ND	G
Sulfurous Acid, 10%	G	ND	G
Sulfurous Acid, 10% to 75%	G	ND	F
Tallow	G	ND	G
Tannic Acid	G	ND	G
Tartaric Acid	G	ND	G
Tetrachloroethylene	ND	ND	P
Tetrahydrofuran	ND	ND	P
Thionyl Chloride	G	ND	P
Toluene	G	P	P
Transformer Oil	ND	ND	F
Tributyl Phosphate	G	ND	P
Trichloroethane	G	P	F
Trichloroethylene	ND	ND	P
Tricresyl Phosphate	ND	ND	P
Triethanolamine	ND	ND	P
Triethylamine	ND	ND	G
Trisodium Phosphate	ND	ND	G
Tung Oil	ND	ND	F
Turpentine	ND	ND	P
Urea	ND	ND	G
Varnish	ND	ND	P
Vinegar	G	ND	G
Vinyl Acetate	F	ND	P
Vinyl Chloride	ND	ND	P

	THU	THE	THP
Water	ND	ND	G
Xylene	ND	P	P
Zinc Chloride	G	ND	G
Zinc Sulfate	G	ND	G