

**Rating Scale:**  
**1= Little or no impact**  
**2= Minor effect**  
**3= Moderate effect**  
**4= Severe effect**

### Chemical Compatability Chart

Acetic Acid, Glacial	-	Isopropyl Alcohol (Isopropanol)	1
Acetic Acid, 30%	2	Isopropyl Ether	-
Acetone	1	Kerosene	1
Acetylene	1	Lacquers	-
Alkazene	-	Lacquer Solvents	-
Aluminum Chloride (aq)	-	Lard	-
Aluminum Nitrate (aq)	-	Lavender Oil	-
Ammonia Anhydrous	-	Lead Acetate (aq)	-
Ammonia Gas (cold)	1	Linseed Oil	1
Ammonia Gas (hot)	1	Liquified Petroleum Gas	1
Ammonium Chloride (aq) 40%	-	Lubricating Oils 1	1
Ammonium Sulfate (aq)	1	Lye	1
Amyl Alcohol	-	Magnesium Chloride (aq)	1
Amyl Naphthalene	-	Magnesium Hydroxide (aq)	-
Animal Fats	-	Mercury	1
Aqua Regia	-	Methane	1
Arsenic Acid	-	Methyl Acetate	1
Asphalt	-	Methyl Acrylate	-
ASTM Fuel A	-	Methyl Alcohol (Methanol)	1
ASTM Fuel B	-	Methyl Butyl Ketone	-
ASTM Fuel C	-	Methyl Chloride	1
Barium Chloride (aq)	1	Methylene Chloride	-
Beer	1	Methyl Ethyl Ketone	1
Beet Sugar Liquors	-	Methyl Isobutyl Ketone	1
Benzene	1	M i l k	1
Benzine	-	Mineral Oil	1
Blast Furnace Gas	-	Motor Oil 20W, 10W40	1
Bleach Solutions	-	Naphtha (Lighter Fluid)	1
Borax	-	Naphthalene (Moth Repellent)	1
Boric Acid	-	Natural Gas	-
Brake Fluid	-	Neatsfoot Oil	-
Brine	-	Nitric Acid 70%	4
Bromine Water	4	Nitric Acid (Dilute) 10%	4
Bunker Oil	-	Nitroethane	-
Butane	1	Nitrogen	-
Butter	-	N-Octane	-
Butyl Alcohol (Butanol)	1	Oleic Acid	1
Butylene	-	Oleum Spirits	-
Calcium Chloride (aq)	1	Olive Oil	-
Calcium Hydroxide (aq)	-	Oxygen - Cold	1
Calcium Nitrate (aq)	1	Oxygen (200 - 400°F)	-
Calcium Sulfide (aq)	-	Paint Thinner, Duco	-
Cane Sugar Liquors	-	Perchloric Acid	-
Carbolic Acid	-	Perchloroethylene	3
Carbon Dioxide	-	Petroleum - Below 250°F	-
Carbonic Acid	-	Petroleum - Above 250°F	4
Carbon Monoxide	-	Phenol (Carbolic Acid) 4	3
Carbon Tetrachloride	3	Phenyl Ethyl Ether	-
Castor Oil	-	Phosphoric Acid - 45%	2
Chlorine (dry)	4	Pickling Solution	-
Chlorine (wet)	4	Picric Acid	3
Chloroform	3	Potassium Acetate (aq)	-
Chlorox	-	Potassium Chloride (aq)	-
Chromic Acid 50%	4	Potassium Cyanide (aq)	-
Citric Acid	1	Potassium Hydroxide (aq)	3
Coal Tar (Creosote)	-	Producer Gas	-
Coconut Oil	-	Propane	1
Cod Liver Oil	-	Propyl Alcohol (Propanol)	-
Coke Oven Gas	-	Propylene	-
Copper Chloride (aq)	-	Propylene Glycol (Anti-Freeze)	2
Copper Cyanide (aq)	-	Propylene Oxide	-
Corn Oil	-	Pydraul, 10E, 29 ELT	-
Cotton Seed Oil	-	Pydraul 30E, 50E, 65E	-
Creosol (Methyl Phenol)	4	Pydraul, 115E	-
Cychlohexane	1	Pydraul 230E, 312C, 540C	-
Denatured Alcohol	-	Rapeseed Oil	-
Detergent Solution	-	Red Oil (MIL-H-5606)	-
Diesel Oil	-	RJ-1 (MIL-F-23338 B)	-
Dioxane	-	RP-1 (MIL-F-25576 C)	-
Dowtherm Oil	-	Salt Water	1
Dry Cleaning Fluids	-	Sewage	-
Ethane	-	Silicate Esters	-
Ethyl Acrylate	-	Silicone Oils	-
Ethyl Alcohol (Ethanol)	3	Silver Nitrate	-
Ethyl Benzine	-	Skydrol 500	-
Ethyl Cellulose	-	Skydrol 700	-
Ethyl Chloride	-	Soap Solutions	1
Ethyl Ether	-	Sodium Chloride (aq)	1
Ethylene Chloride	-	Sodium Hydroxide (aq)	2
Ethylene Glycol (Anti-Freeze)	1	Sodium Peroxide (aq)	-
Ethylene Oxide	1	Sodium Phosphate (aq)	-
Ethylene Trichloride	-	Sodium Sulfate (aq)	-
Ferric Chloride (aq)	-	Soy Bean Oil	-
Ferric Nitrate (aq)	-	Stoddard Solvent	-
Ferric Sulfate (aq)	-	Styrene (Monomer)	1
Fluorine (Liquid)	4	Sucrose Solution	-
Formaldehyde (RT)	1	Sulfuric Acid (Dilute, Battery Acid)	-
Formic Acid	4	Sulfuric Acid (Conc.)	-
Freon 11	-	Sulfuric Acid (20% Oleum)	-
Freon 12	1	Sulfurous Acid	-
Freon 22	1	Tannic Acid	-
Fuel Oil (Bunker 'C')	-	Tetrochlorethylene	-
Gasoline, 100 Octane, High Test	1	Toluene / (Toluol)	1
Glue	-	Transformer Oil	-
Glycerin (Glycerol)	1	Transmission Fluid Type A	-
Glycols	1	Trichloroethane	3
Green Sulfate Liquor	-	Trichloroethylene	3
Hexane	-	Turbine Oil	1
Hydraulic Oil	1	Turpentine	1
Hydrochloric Acid (cold) 37%	4	Varnish	-
Hydrochloric Acid (hot) 37%	4	Vinegar	1
Hydrofluoric Acid (Conc.) Cold	-	Vinyl Chloride	-
Hydrofluoric Acid (Conc.) Hot	-	Water	1
Hydrogen Gas	1	Whiskey, Wines	1
Isobutyl Alcohol	-	White Oil	-
Isooctane	-	Wood Oil	-
Isopropyl Acetate	-	Xylene	1
		Zinc Acetate (aq)	-
		Zinc Chloride (aq)	1