



Chemical Resistance

CHEMICALS	23°C 73°F	100°C 212°F	200°C 392°F	CHEMICALS	23°C 73°F	100°C 212°F	200°C 392°F
ACIDS				Phosphoric Acid, 80% Con	E	E	-
Acetic Acid Conc.	E	E	E	Phthalic Acid	E	E	-
Acetic Acid Glacial	E	E	-	Picric Acid	E	E	-
Acetic Acid, Conc.	E	E	E	Silicic Acid	E	E	-
Acrylic Acid	E	E	-	Sulfuric Acid, <40% Conc.	E	A	A
Aqua Regia	E	E	-	Sulfuric Acid, 50% Conc.	E	A	A
Benzene Sulfonic Acid	E	-	-	Sulfurous Acid Conc.	D	D	D
Benzoic Acid	E	E	-	Tannic Acid, 10% Conc.	E	E	-
Boric Acid	E	E	-	Tartaric Acid	E	E	-
Carbolic Acid	E	E	-	Trifluoromethyl Sulfonic	D	D	D
Carbonic Acid	E	E	-	ALCOHOLS			
Chloroacetic Acid	E	E	-	Benzyl Alcohol	E	E	-
Chlorosulfonic Acid	D	D	D	Butanol	E	-	-
Chromic Acid, 40% Conc.	E	E	-	Cyclohexanol	E	-	-
Chromic Acid, Conc.	E	-	-	Ethanol	E	E	-
Citric Acid	E	E	-	Ethylene Glycol	E	E	E
Formic Acid	E	E	-	Ethylene Glycol, 50% Conc.	E	E	E
Hydrobromic Acid 48% Conc.	E	E	-	Glycerol	E	E	A
Hydrochloric Acid, 10% Conc.	E	E	-	Gylcols	E	E	-
Hydrochloric Acid, Conc.	E	A	-	Isopropanol	E	A	-
Hydrofluoric Acid, Conc.	E	E	-	Methanol	E	E	-
Lactic Acid	E	E	-	Propanol	E	-	-
Maleic Acid	E	E	-	ALDEHDES/KETONES			
Nitric Acid, 10% Conc.	E	E	-	Acetaldehyde	E	E	-
Nitric Acid, 30% Conc.	E	A	-	Acetone	E	E	-
Nitric Acid, 40% Conc.	E	A	-	Benzaldehyde	E	E	-
Nitric Acid, Conc.	A	A	-	Cyclohexanone	E	-	-
Nitrous Acid, 10%	E	E	-	Formaldehyde	E	E	-
Oleic Acid	E	-	-	Formalin	E	-	-
Oleum	D	D	D	Ketones	E	-	-
Oxalic Acid	E	E	-	Methylethyl Ketone (MEK)	E	E	D
Perchloric Acid	E	E	-	N-Methyl-2-Pyrrolidone (NMP)	E	E	-
Phosphoric Acid, 10% Conc.	E	E	E	BASES			
Phosphoric Acid, 50%	E	E	E	Ammonia 880	E	-	-
				Ammonia Anhydrous	E	E	E
				Ammonia Liquid	E	E	E

E: Excellent, No attack, Very less or no absorption

A: Good, Slight attack

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Ammonium hydroxide, 20% Conc.	E	-	-
Ammonium Hydroxide, Conc.	E	-	-
Calcium Hydroxide	E	-	-
Hydrazine	E	E	-
Hydroxides	E	-	-
Magnesium Hydroxide	E	-	-
Potassium Hydroxide, 20% Conc.	E	-	-
Potassium Hydroxide, 60% Conc.	E	-	-
Sodium Hydroxide, 20% Conc.	E	E	E
Sodium Hydroxide, 60% Conc.	E	E	E
Sodium Hydroxide, Conc.	E	-	-
1 N KOH sol ⁿ at reflux	E	E	-
ETHERS			
Diethylether	E	E	-
Dioxane	E	-	-
Ether	E	E	-
Ethylene Oxide (Eto)	E	-	-
Tetrahydrofuran	E	-	-
ESTERS			
Aliphatic Esters	E	E	-
Amyl Acetate	E	E	-
Butyl Acetate	E	A	-
Dibutyl Phthalate	E	-	-
Dimethyl Phthalate	E	-	-
Diocetyl Phthalate	E	-	-
Ethyl Acetate	E	E	-
Oils (Di-Ester, Ester Based)	E	E	-
HALOGENATED ORGANICS			
1,1,1 Trichloroethane (Genklene1)	E	-	-
1,2 Dichloroethane	E	-	-
Carbon Tetrachloride	E	E	-

CHEMICALS	23°C 73°F	100°C 212°F	200°C 392°F
Chorobenzene	E	E	-
Chloroform	E	E	-
Dibromoethane	E	-	-
Dichlorobenzene	E	-	-
Dichloroethane	E	-	-
Ethylene Dichloride	E	-	-
Freon2 11 Trichlorofluoromethane	E	-	-
Freon 113 Trichlorotrifluoroethane	E	-	-
Freon 114 1,1 Dichloro	E	-	-
1,2,2,2 Tetrafluoroethane	E	-	-
Freon 12 Dichlorodifluoromethane	E	-	-
Freon 22 Chlorodifluoromethane	E	E	-
Freon 134a	E	-	-
Freon 502	E	E	-
Methylene Chloride	E	-	-
Methylene Dichloride	E	-	-
Perchloroethylene	E	E	-
Trichloroethylene	E	E	-
HYDROCARBONS			
Acetylene	E	E	-
Aromatic Solvents	E	E	-
Aviation Hydraulic Fluid	E	-	-
Benzene	E	E	-
Brake Fluid (Mineral)	E	E	E
Brake Fluid	E	E	E
Butane	E	-	-
Crude Oil	E	-	-
Cyclohexane	E	E	-
Diesel Oil	E	-	-
Dowtherm3A	E	-	A
Dowtherm G	E	-	A
Dowtherm HT	E	-	A
Dowtherm LF	E	-	A
Ethane	E	-	-

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(2)



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Fuel Oil	E	-	-
Gas (Manufacture d)	E	-	-
Gas (Natural)	E	-	-
Gasoline	E	E	-
Heptane	E	-	-
Hexane	E	-	-
Hydraulic Fluid	E	-	-
Iso-Octane	E	-	-
Kerosene	E	-	-
Lubricating Oil	E	-	-
Methane (Gas)	E	E	E
Motor Oil	E	E	E
Naphtha	E	E	-
Naphthalene	E	E	-
Oils (Petroleum)	E	E	-
Oils (Vegetable)	E	E	-
Pentane	E	-	-
Petroleum Ether	E	-	-
Propane	E	-	-
Skydrol Hydraulic Fluid	E	-	-
Styrene (Liquid)	E	-	-
Toluene	E	-	-
Transformer Oil	E	E	-
Vaseline5	E	-	-
Xylene	E	-	-
INORGANICS			
Aluminum Chloride	E	E	
Aluminum Sulfate	E	E	
Alum, Saturated	E	E	
Ammonium Chloride, 10% Conc.	E	E	
Ammonium Nitrate	E	E	
Antimony Trichloride	E	E	
Barium Salts (Chloride, Sulfide)	E	-	-
Bleach	E	E	
Brine	E	E	
Bromine	D	D	D

CHEMICALS	23°C 73°F	100°C 212°F	200°C 392°F
Bromine (Dry)	D	D	D
Bromine (Wet)	D	D	D
Bromine Water, Saturated	E	E	E
Calcium Bisulfide	E	E	
Calcium Carbonate	E	-	
Calcium Chloride	E	E	
Calcium Hypochlorite	E	E	
Calcium Nitrate	E	-	
Calcium Sulfate	E	E	
Carbon Dioxide (Dry)	E	-	-
Carbon Monoxide (Gas)	E	E	E
Chlorine	E	E	-
Copper Acetate	E	E	-
Copper Carbonate	E	E	-
Copper Chloride	E	E	-
Copper Cyanide	E	E	-
Copper Fluoride	E	E	-
Ethylene Nitrate	E	-	-
Ferric Chloride	A	A	-
Ferric Nitrate	E	-	-
Ferric Oxide	E	E	-
Ferric Sulfate	E	-	-
Ferrous Chloride	E	-	-
Ferrous Nitrate	E	-	-
Ferrous Sulfate	E	E	-
Fluorine	D	D	D
Hydrogen Peroxide	E	E	-
Hydrogen Sulfide (Gas)	E	E	E
Iodine	E	-	-
Lead Acetate	E	E	-
Lime	E	E	-
Magnesium Chloride	E	E	-
Magnesium Sulfate	E	E	-
Mercuric Chloride	E	E	-
Mercurous Chloride	E	E	-
Mercury	E	-	-
Nickel Acetate	E	E	-
Nickel Chloride	E	E	-

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Nickel Nitrate	E	E	-	Sodium Sulfit	E	E	-
Nickel Salts	E	-	-	Sodium (Hot)	B	D	D
Nickel Sulfate	E	E	-	Stannic Chloride	E	E	
Nitrogen	E	-	-	Stannous Chloride	E	E	E
Nitrous Oxide	E	-	-	Steam	E	E	-
Oxygen	E	-	-	Sulfites	E	E	-
Ozone	E	A	-	Sulfur	E	E	-
Phosphorous Chlorides	E	E	-	Sulfur Chloride	E	E	-
Phosphorous Pentoxide	E	E	-	Sulfur Dichloride	E	E	-
Potassium Aluminum Sulfate	E	E	-	Sulfur Dioxide	E	E	E
Potassium Bicarbonate	E	-	-	Sulfur Hexafluoride (Gas)	E	-	-
Potassium Bromide	E	E	-	Sulfur Trioxide	E	E	-
Potassium Carbonate	E	-	-	Tar	E	-	-
Potassium Chlorate	E	E	-	Tetraethyl Lead	E	-	-
Potassium Chloride	E	E	-	Water, Distilled	E	E	E
Potassium Dichromate	E	-	-	Water	E	E	-
Potassium Ferricyanide	E	-	-	Water, Sea/Salt	E	E	-
Potassium Hydroxide	E	E	-	Zinc Chloride	E	E	-
Potassium Nitrate	E	E	-	Zinc Sulfate	E	E	-
Potassium Permanganate	E	-	-	MISCELLANEOUS			
Potassium Sulfate	E	E	-	Adhesives (not cyanoacrylates)	E	-	-
Potassium Sulfide	E	-	-	Apple Juice	E	-	-
Silicone Fluids	E	E	-	Aviation Spirit	E	-	-
Silver Nitrate	E	-	-	Beer	E	E	-
Sodium Acetate	E	-	-	Cooking Oil	E	-	-
Sodium Bicarbonate	E	-	-	Creosote	E	-	-
Sodium Carbonate	E	E	-	Detergent Solutions (non-phenolic)	E	E	-
Sodium Chlorate	E	E	-	Edible Fats & Oils	E	-	-
Sodium Chloride	E	E	-	Fatty Acids	E	E	-
Sodium Hypochlorite	E	E	-	Fruit Juice	E	E	-
Sodium Nitrite	E	-	-	Gelatin	E	E	-
Sodium Peroxide	E	E	-	Ketchup	E	-	-
Sodium Salts	E	-	-	Linseed Oil	E	-	-
Sodium Silicate	E	E	-	Milk	E	E	-
Sodium Sulfate	E	E	-	Mineral Oil	E	-	-
Sodium Sulfide	E	E	-				

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Molasses	E	E	-
Olive Oil	E	E	-
Peanut Oil	E	E	-
Paraffin	E	E	-
Sewage	E	E	-
Soap Solution	E	-	-
Starch	E	E	-
Tallow	E	-	-
Turpentine	E	E	-
Urea	E	-	-
Varnish	E	E	-
Vinegar	E	E	-
Wax	E	-	-
White Spirit	E	-	-
Wines and Spirits	E	-	-
Yeast	E	E	-

CHEMICALS	23°C 73°F	100°C 212°F	200°C 392°F
ORGANO-NITROGENS			
Acetonitrile	E	A	-
Aniline	E	A	-
Dimethyl Formamide (DMF)	E	-	-
Diethylamine	E	-	-
Nitrobenzene	E	A	-
Pyridine	E	E	-
PHENOLS			
Phenol (Conc.)	D	D	D
Phenol (Dilute)	E	-	-
SULFUR COMPOUNDS			
Carbon Disulfide A A	E	E	-
Dimethylsulfoxide (DMSO)	A	A	-
Diphenylsulfone (DPS)	A	D	D
Ethylene Sulfate	E	-	-

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