



Polyurethane Chemical Resistance Chart

Ratings :

1 = Little or on impact

2 = Minor effect

3 = Moderate effect

4 = Severe effect

Acetic Acid, 30%	4	Ethylene Glycol	4	Potassium Acetated (aq)	4
Acetone	4	Ethylene Oxide	4	Postassium Chloride(aq)	1
Acetylene	4	Ethylene Trichloride	4	Postassium Cyanide(aq)	1
Alkazene	4	Ferric Chloride (aq)	1	Potassium Hydroxide (aq)	4
Aluminum chloride (aq)	3	Ferric Nitrate(aq)	1	Producer Gac	1
Aluminum Nitrate(aq)	3	Ferric Sulfate(aq)	1	Propane	3
Ammonia Anhydrous	4	Fluorine(Liquid)	4	Propyl Alcohol	4
Ammonia Gas (cold)	4	Formaldehyde (RT)	4	Propylene	4
Ammonia Gas (hot)	4-	Formic Acid	3	Propylene Oxide	4
Ammonium Chloride(aq)	1	Freon 11	4	Pydraul, 10E, 29 ELT	4
Ammonium Sulfate(aq)	1	Freon 12	1	Pydraul 30E, 50E, 65E	4
Amyl Alcohol	4	Freon 22	4	Pydraul 115E	4
Amyl					
	4	Fuel Oil	2	Pydraul 230E,312C,540C	4



Naphthalene						
Animal Fats	1		Futural Glucose	4	Rapeseed Oil	2
Aqua Regia	4		Glue	1	Red Oil(MIL-H-5606)	1
Arsenic Acid	3		Glycerin	1	RJ-1 (MIL-F- 23338 B)	1
Asphalt	2		Glycols	4	RP 1(MIL-F-25576 C)	1
ASTM Fuel A	2		Green Sulfate Liquor	1		
ASTM Fuel B	3		Hexane	2	Salt Water	2
ASTM Fuel C	3		Hydraulic Oil	1	Sewage	4
Barium Chloride (aq)	1		Hydrochloric Acid(cold)37%	4	Silicate Esters	1
Beer	2		Hydrochloric Acid(hot)37%	4	Silicone Oils	1
Beet Suger Liquors	4		Hydrofluoric Acid (Conc.)cold	3	Silver Nitrate	1
					Skydrol 500	4
Benzene	3		Hydrofluoric Acid (Conc.)hot	-		
Benzine	2		Hydrozen Gas	1	Skydrol 700	4
Blast Furnace Gas	4		Isobutyl Alcohol	4	Soap Solutions	3
Bleach Solutions	4		Isoctane	2	Sodium Chloride(aq)	1
Borax	1		Isopropyl Acetate	4	Sodium Hydroxide (aq)	4
Boric Acid	1		Isopropyl Alcohol	3	Sodium Peroxide (aq)	4



					Sodium Phosphate (aq)	1
Brake Fluid	4		Isopropyl Ether	2		
Brine	2		Kerosene	1	Sodium Sulfate (aq)	1
Bromine Water	4		Lacquers	4	Soya Bean Oil	2
Bunker Oil	2		Lacquer Solvents	4	Steam Under 300F	4
Butane	3		Lard	1	Steam Over 300F	4
Butter	1		Lavender Oil	4	Stoddard Solvent	1
					Styrene	3
Butyl Alcohol	4		Lead Acetate (aq)	4		
Butylene	4		Linseed Oil	2	Sucrose Solution	4
Calcium Chloride(aq)	1		Liquified Petroleum Gas	-	Sulfuric Acid(Dilute)	3
Calcium Hydroxide (aq)	1		Lubricating Oils	2	Sulfuric Acid(Conc.)	4
Calcium Nitrate (aq)	1		Lye	4	Sulfuric Acid (20% Oleum)	4
Calcium Sulfide (aq)	1		Magnesium Chloride(aq)	1	Sulfurous Acid	3
					Tonic Acid	1
Cone Sugar Liquors	4		Magnesium Hydroxide(aq)	4		
Carbolic Acid	3		Mercury	1	Tetrachlorethylene	4
Carbon Dioxide	1		Methane	3	Toluene	4
Carbolic Acid	1		Methyl Acetate	4	Transformer Oil	1
Carbon Monoxide	1		Methyl Acrylate	4	Transmission Fluid Type A	1



Carbon Tetrachloride	4	Methyl Alcohol	4	Trichloroethane	4
				Thrichloroethylene	4
Castor Oil	1	Methyl Butyl ketone	4		
Chlorine(dry)	4	Methyl Chloride	4	Turbine Oil	1
Chlorine(wet)	4	Methylene chloride	4	Turpentine	4
Chloroform	4	Methyl Ethyl ketone	4	Varnish	3
Chlorox	4	Methyl isobutyl ketone	4	Vinegar	4
Chromic Acid	4	Milk	4	Viny Chloride Water	1
Citric Acid	1	Mineral Oil	1		
Coal Tar	3	Naphtha	2	Whiskey, Wines	2
Coconut Oil	2	Napjtjalene	2	White Oil	1
Cod Liver Oil	1	Natural Gas	2	Wood Oil	3
Coke Oven Gas	4	Neatsfoot Oil	1	Xylene	4
Copper Chloride(aq)	1	Nitric Acid(Conc.)	4	Zinc Acetate(aq)	4
				Zinc Chloride (aq)	1
Copper Cyanide (aq)	1	Nitric Acid(Dilute)	3		
Corn Oil	1	Nitroethane	4		
Cotton Seed Oil	1	Nitrogen	1		
Creosol	4	N-Octane	4		



Cyclohexane	1		Oleic Acid	2	
Denatured Alcohol	4		Oleum Spirits	3	
Detergent Solution	4		Olive Oil	1	
Diesel Oil	3		Oxygen – Cold	1	
Dioxane	4		Oxygen (200-400F)	4	
Dowtherm Oil	3		Paint Thinner, Duco	4	
Dry Cleaning Fluids	4		Perchloric Acid	4	
Ethane	3		Perchloroethylene	4	
Ethyl Acrylate	4		Petroleum – Below 250F	2	
Ethyl Alcohol	4		Petroleum-Above 250F	4	
Ethyl Benzene	4		Phenol	3	
Ethyl Cellulose	2		Phenyl Ethyl Ether	4	
Ethyl Chloride	2		Phosphoric Acid –45%	1	
Ethyl Ether	3		Pickling Solution	4	