POLYURETHANE CHEMICAL RESISTANCE CHART

CHEMICAL	CODE	CHEMICAL	CODE	CHEMICAL	CODE
Acetic Acid 20%	B	Ferric nitrate	B	Oleic acid	B
Acetone	C	Ferrous chloride	B	Palmitic acid	A
Aluminum Chloride	B	Ferrous sulfate	B	Perchloroethylene	C
Aluminum sulfate	B	Formaldehyde (37%)	C	Phenol	C
Aluminum sulfde	B	Formic acid	C	Phosphoric acid (10-70%)	A
Ammonia, anhydrous	T	FREON-11	B	Phosphoric acid (85%)	C
Ammonium hydroxide	A	FREON-12 (130F/54C)	A	Potassium cyanide	B
Amonium thiocyanide	B	FREON-22	C	Potassim hydroxide	B
Antimony salts	B	FREON-113	A	SAE #10 oil (158F/70C)	A
ASTM hydrocarbon test	T	FREON-114	T	Sea water	A
ASTM oil #1(158°F)	A	Fuel oil	B	Silver nitrate	B
ASTM oil #3(158°F)	B	Gasoline	B	SKYDROL 500	C
ASTM reference fuel A	A	Glue	A	Soap	A
ASTM reference fuel B	B	Glycerin	A	Sodium cyanide	B
ASTM reference fuel C	C	n-Hexane (122F/50C)	B	Sodium hydroxide (20%)	A
Barium hydroxide	A	Hydraulic oils	B	Sodium hydroxide	B
Benzene	C	Hydrochloric acid (20%)	B	Sodium hypochlorite	C
Borax	A	Hydrochloric acid (37%)	C	Sodium hypochlorite	C
Boric Acid	A	Hydrocyanic acid	B	Soybean oil	B
Butane	A	Hydrogen	A	Stearic acid	A
Calcium bisulfte	A	Hydrogen Peroxide (90%)	T	Sulfur dioxide (liquid)	T
Calcium chloride	A	Isooctane (158F/79C)	B	Sulfur dioxide (gas)	T
Calcium hydroxide	A	Isopropyl ether	B	Sulfur trioxide	T
Calcium hypochlorite (5%)	X	JP-4	B	Sulfuric acid (5-10%)	C
Carbon dioxide	A	JP-5	C	Sulfuric acid (10-50%)	C
Carbon monoxide	A	JP-6	C	Sulfuric acid (50-80%)	C
Carbon Tetrachloride	C	Kerosene	B	Sulfurous acid	C
Castor oil	A	Lacquer solvents	X	Tannic acid (10%)	A
Chlorine gas (dry)	X	Linseed oil	B	Tartaric acid	A
Chlorine gas (wet)	C	Lubricating oils	B	Tin salts	B
Chromic acid (10-50%)	C	Magnesium chloride	A	Titanium salts	B
Copper chloride	A	Magnesium hydroxide	A	Toluene	C
Copper nitrate	B	Mercury	A	Trichloroethlene	C
Copper sulfate	A	Methyl Alcohol	C	Tricresyl phosphate	B
Cottnseed oil	A	Methyl ethyl ketone	C	Trisodium phosphate	A
Cyclohexane	A	Methyl pyrrolidine	C	Tung oil	B
DOWTHERN A	B	Mineral oil	A	Turpentine	C
Ethyl acetate	C	Naptha	B	Water (120F/48C)	A
Ethyl alcohol	C	Nathalene	B	Water (212F/100C)	C
Ethylene glycol	B	Nickel salts	B-C	Xylene	C
Ferric chloride	B	Nitric acid (10%)	C		

TABLE KEY

A	RLittle or no effect
B	Minor to moderate effect
C	Severe effect to complete destruction
T	Test before using. No data but most likely to be satisfactory
X	No data but most likely to be unsatisfactory

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