

KEY CHEMICAL RESISTANCE GUIDE



CHEMICAL	PRODUCT						
	Key #510/520	Key #615/625	Key #630	Key #633	Key Vinyl Ester	URECON SL	TG
Acetone	NR	NR	S-3	S-3	S-3	S-3	S-3
Acetic Acid-56%	5%S-3	10%	20%	S-2	+	S-3	S-3
Acetic Acid-84%	NR	NR	ND	S-2	S-2	ND	ND
Acetic Acid (Glacial)	NR	NR	NR	S-3	S-1	NR	NR
Aluminum Chloride-30%	NR	ND	+	+	+	S-1	S-1
Aluminum Nitrate-50%	NR	ND	+	+	+	S-2	S-2
Aluminum Sulfate-50%	NR	ND	+	+	+	+	+
Ammonium Hydroxide-30%	S-3	S-2	+	+	S-1	+	+
Ammonium Sulfate-50%	NR	S-2	+	+	+	S-2	S-2
Ammonium Sulfide-50%	NR	S-2	+	+	+	ND	ND
Barium Sulfate	NR	S-1	+	+	+	ND	ND
Barium Sulfide	NR	S-1	+	+	+	ND	ND
Beer	S-2	+	+	+	+	+	+
Benzene	NR	NR	S-2	S-2	S-2	S-3	S-3
Benzyl Alcohol	NR	S-2	+	+	S-2	+	+
Black Liquor	NR	ND	+	+	+	+	+
Butyl Acetate	NR	S-3	+	+	+	+	+
Butyl Acetate (Normal)	NR	ND	ND	+	+	ND	ND
Brake Fluid	ND	+	+	+	+	+	+
Butanol (Normal)	NR	S-3	+	+	+	+	+
Calcium Chloride	NR	S-2	+	+	+	+	+
Calcium Hydroxide	ND	S-2	+	+	+	+	+
Carbon Tetrachloride	NR	S-3	ND	+	+	+	+
Citric Acid-40%	S-3	S-1	S-1	S-1	+	S-2	S-2
Corn Oil	ND	+	+	+	+	+	+
Crude Oil-Sour	NR	+	+	+	+	+	+
Crude Oil-Sweet	NR	+	+	+	+	+	+
Cumene	NR	S-3	ND	+	+	ND	ND
Cutting Oil	NR	S-1	+	+	+	ND	ND
Cyclohexane	NR	S-3	S-3	+	+	+	+
Diacetone Alcohol	NR	S-2	S-2	+	+	+	+
Diesel Fuel	+	+	+	+	+	+	+
Diethylene Glycol	ND	+	+	+	+	+	+
Distilled Water	ND	+	+	+	+	+	+
Ethanol	NR	S-2	+	+	S-1	ND	ND
Ethyl Acetate	NR	S-2	+	+	S-2	ND	ND
Ethyl Alcohol	NR	S-2	+	+	S-2	ND	ND
Ethylene Dichloride	NR	NR	S-1	S-1	ND	ND	ND
Ethylene Glycol	ND	+	+	+	+	+	+
Ethyl 3-Ethoxypropionate	ND	ND	ND	+	ND	ND	ND
Ethylene Oxide	NR	ND	ND	+	+	ND	ND
Ethylene Glycol Monopropyl Ether	NR	ND	ND	+	ND	ND	ND
Freon	ND	ND	S-1	S-1	ND	S-3	S-3
Fuel Oil	ND	+	+	+	+	+	+
Gasoline (Unleaded)	ND	S-2	+	+	+	ND	ND
Gasoline (Premium Unleaded)	ND	S-2	+	+	+	ND	ND
Glucose	NR	S-1	+	+	+	+	+
Glycerine	NR	+	+	+	+	+	+
Glyoxal-40%	NR	ND	+	+	S-2	ND	ND
Hexane	NR	S-2	+	+	+	ND	ND

Hexalene Glycol	S-3	S-1	+	+	+	+	+
Hydraulic Fluid	ND	S-1	+	+	+	+	+
Hydrochloric Acid-10%	S-2	S-1	+	+	+	+	+
Hydrochloric Acid-36%	NR	S-2	+	+	+	+	+
Hydrogen Peroxide-5%	S-3	S-1	+	+	+	+	+
Hydrogen Peroxide-30%	NR	S-2	ND	+	+	S-2	S-2
Iodine	NR	S-3(stain)	+	+	+	S-2	S-2
Isobutyl Alcohol	NR	S-2	+	+	+	ND	ND
Isopropyl Alcohol	NR	S-2	+	+	+	ND	ND
JP-4 Jet Fuel	S-2	S-1	+	+	+	+	+
JP-5 Jet Fuel	S-2	S-1	+	+	+	+	+
Kerosene	NR	S-2	+	+	+	+	+
Ketchup	S-3	+	+	+	+	+	+
Lactic Acid-50%	NR	S-2	+	+	+	+	+
MAK	NR	ND	ND	+	ND	S-2	S-2
MEK	NR	NR	S-3	S-3	S-3	S-3	S-3
Methanol	NR	ND	+	+	S-2	+	+
Methylene Chloride	NR	NR	NR	NR	NR	NR	NR
MIBK	NR	NR	S-2	+	S-2	S-3	S-3
Mineral Spirits	NR	S-3	+	+		S-2	S-2
MTBE	NR	NR	+	+	ND	ND	ND
Naptha (VMP)	NR	S-3	+	+	+	+	+
Nitric Acid-10%	NR	S-1	+	+	+	+	+
Nitric Acid-30%	NR	NR	NR	NR	+	S-2	S-2
Oxalic Acid	NR	ND	+	+	+	ND	ND
Para-Xylene	NR	ND	ND	+	ND	+	+
Peanut Oil	NR	S-3	+	+	+	+	+
Perchloroethylene	NR	NR	+	+	+	S-1	S-1
Phosphoric Acid-10%	S-3	+	+	+	+	+	+
Phosphoric Acid-75%	NR	S-3	+	+	+	+	+
Phosphoric Acid-85%	NR	S-3	+	+	+	ND	ND
Power Starting Fluid	ND	S-2	+	+	+	+	+
Propylene Glycol Monomethyl Ether	NR	ND	ND	+	ND	ND	ND
Propylene Glycol Monomethyl Ether Acetate	NR	ND	ND	+	ND	ND	ND
Psuedocumene	NR	ND	ND	+	ND	ND	ND
Skydrol 500B	S-2	+	+	+	+	+	+
Sodium Hydroxide-50%	+	+	+	+	+	+	+
Sodium Hydroxide-70%	NR	S-2	+	+	S-2	ND	ND
Sodium Hypochlorite-10%	ND	+	+	+	+	ND	ND
Sodium Nitrate-50%	NR	S-2	+	+	+	ND	ND
Sulfamic Acid	ND	S-1	+	+	+	ND	ND
Sulfuric Acid-10%	+	+	+	+	+	+	+
Sulfuric Acid-50%	S-3	S-2	+	+	+	ND	ND
Sulfuric Acid-70%	NR	NR	+	+	+	NR	NR
Sulfuric Acid-98%	NR	NR	S-1	+	S-2	NR	NR
Toluene	NR	S-3	+	+	+	+	+
Tomato Juice	NR	S-2	+	+	+	+	+
Transmission Fluid	NR	S-2	+	+	+	+	+
1,1,1 Trichloroethane	NR	NR	ND	+	+	ND	ND
Urine	NR	+	+	+	+	+	+
Vinegar	NR	NR	+	+	+	S-2	S-2
Vinyl Tolene	ND	ND	+	+	+	ND	ND
White Liquor	ND	ND	+	+	+	+	+
Xylene	NR	S-1	+	+	+	+	+

Factors such as application, temperature, exposure, etc. are beyond the control of key Resin Company. No warranty concerning these studies can be made. Samples should be tested under actual or simulated conditions for final decision on the suitability of the system.

+	--	Continuous Service (Greater than 6 months)
S-1	--	Splash & Spill with Weekly Clean-up
S-2	--	Splash & Spill with 24 hour Clean-up
S-3	--	Splash & Spill with Hourly Clean-up
NR	--	Not Recommended