Chemical Compatibility Table

For All Non-Metals

R = Resistant
A = Excellent – No effect
B = Good – Minor effect
C = Fair – Moderate effect
U = Unsatisfactory
X = Conflicting Data
– = No Data Available
*No corrision rate reported

For Metals

E <2 mils Penetration/Year
G <20 mils Penetration/Year
S <50 mils Penetration/Year
U >50 mils Penetration/Year
(1 mil = .001 inch)
A = Excellent – No effect*
B = Good – Minor effect*
C = Fair – Moderate effect*

	Plastic											Elastopolymer										Metals						
	ABS	Acetal	CPVC	FEP	Nylon 6, 66	HDPE	Polypropylene	PTFE	PVC Type I	PVC Type II	PVDF	EPDM	Kel–F	Neoprene	Nitrile	Polyurethane	Silicone	Tygon®	Viton–A	Ceramic	Silica	304 Stainless	316 Stainless	Carbon Steel	Hastelloy–C	Aluminum	Brass	Copper
Acetaldehyde	U	A	U	R	U	U	A	A	U	U	X	A	A	C	U	U	A	U	U	–	R	E	E	G	E	G	U	U
Acetamide	–	A	–	R	R	R	A	A	U	–	C	A	A	B	A	U	B	U	B	–	–	G	G	–	–	G	–	–
Acetate Solvent	U	–	U	R	R	R	B	A	U	U	A	A	A	C	U	–	A	U	U	–	–	E	E	G	E	E	S	G
Acetic Acid 10%	X	X	C	R	U	R	B	A	U	–	C	A	A	C	C	–	C	U	R	A	R	E	E	U	E	G	U	G
Acetic Acid, Glacial	U	U	U	R	U	R	A	A	U	U	B	U	A	X	X	U	B	U	U	A	R	E	E	U	E	E	U	U
Acetone	U	A	U	R	R	R	A	A	U	U	U	A	A	U	U	U	B	U	U	A	R	E	E	G	E	E	G	E
Acetonitrile	U	–	–	R	R	–	R	R	–	–	R	R	–	–	–	–	–	–	–	–	–	G	G	G	–	E	G	G
Acetophenone	U	–	–	R	R	U	R	R	U	U	R	R	–	U	U	–	–	–	U	–	–	G	G	G	G	G	G	G
Acetyl Chloride	U	–	U	R	U	U	U	A	U	U	R	U	–	U	U	U	–	–	R	–	R	G	G	G	–	U	U	U
Acetylene	R	–	R	R	R	–	R	R	R	R	R	R	–	R	R	–	–	–	R	–	–	E	E	G	G	E	U	U
Acrylonitrile	U	–	X	R	R	R	A	A	X	U	A	X	–	C	U	–	U	–	U	–	–	G	G	G	G	E	G	G
Adipic Acid	R	–	A	R	–	R	B	A	R	R	A	A	A	B	X	–	U	–	X	–	–	G	G	G	E	G	–	G
Aldrin (1 oz./gal.)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	E	E	G	–	E	–	–
Allyl Alcohol	U	–	R	R	R	R	R	R	R	R	R	R	–	R	R	–	–	–	R	–	–	E	E	G	G	G	G	E
Allyl Chloride	U	–	U	R	–	R	R	R	U	U	R	U	–	U	U	–	–	–	–	–	R	G	E	U	–	U	–	–
Ammonium Acetate	–	–	A	R	A	–	A	A	R	R	R	A	–	A	B	–	–	A	A	–	–	G	G	–	–	G	U	U
Ammonium Oxalate 10%	–	–	–	R	–	–	R	R	R	–	–	R	–	–	–	–	–	–	–	–	–	G	G	U	E	E	–	U
Amyl Acetate	U	B	U	R	R	R	X	A	U	U	A	A	A	U	U	U	U	U	U	A	R	E	E	G	E	E	E	G
Amyl Alcohol	R	A	A	R	A	R	B	A	R	U	A	A	A	A	B	U	U	A	B	A	R	G	G	G	G	G	G	G
Amyl Chloride	U	–	U	R	U	U	U	R	U	U	U	R	–	U	U	–	–	–	R	–	–	G	G	U	E	U	G	G
Aniline	U	A	X	R	X	R	X	A	U	U	A	X	A	U	U	U	U	C	B	A	R	E	E	G	G	G	U	U
Aniline Hydrochloride	U	–	U	R	U	U	X	A	X	U	A	B	–	U	U	–	U	U	A	–	R	U	U	U	U	U	U	G
Antifreeze	B	U	A	–	U	–	U	–	A	–	–	A	–	C	A	–	C	B	A	–	–	–	A	–	–	A	–	–
Aroclor 1248	–	–	–	R	A	U	U	A	–	–	–	B	A	U	X	–	B	–	A	–	–	G	G	G	E	E	E	E
Asphalt	–	B	X	R	A	R	B	A	A	–	A	U	A	U	X	–	U	–	A	–	–	G	G	G	–	E	E	E
Benzaldehyde	X	A	U	R	A	U	X	A	U	U	A	A	A	U	U	U	U	U	U	A	R	G	G	U	G	G	G	G
Benzene	U	A	U	R	A	U	X	A	U	U	A	U	B	U	U	U	U	C	A	A	R	G	G	G	G	E	G	G
Benzo Sulfonic Acid 10%	R	–	R	R	U	R	R	R	R	R	R	U	–	R	U	U	–	–	R	–	R	G	G	U	G	U	G	–
Benzyl Alcohol	U	A	X	R	B	U	A	A	U	U	A	B	A	X	X	U	–	U	A	A	R	E	E	G	G	G	G	E
Benzoic Acid	R	B	A	R	X	B	R	A	R	R	A	U	A	B	U	U	B	A	A	A	R	G	G	U	E	G	G	G
Benzol	U	A	U	R	X	U	U	A	U	U	A	U	A	U	U	U	U	C	A	A	R	G	G	G	G	E	G	G
Benzonitrile	–	–	–	R	R	A	–	A	–	–	–	–	A	–	–	–	A	–	–	–	–	U	U	–	C	–	–	–
Benzyl Chloride	U	A	U	R	R	–	C	R	R	–	R	U	–	U	U	–	U	–	A	–	–	G	G	U	–	U	U	U
Bromobenzene	–	–	–	R	–	–	U	R	–	–	R	U	–	U	U	–	–	–	R	–	–	–	–	–	–	–	–	–
Butadiene	U	A	A	R	R	U	U	A	R	U	A	X	A	B	X	U	U	–	B	–	–	G	G	G	G	G	G	G

	Plastic											Elastopolymer										Metals						
	ABS	Acetal	CPVC	FEP	Nylon 6, 66	HDPE	Polypropylene	PTFE	PVC Type I	PVC Type II	PVDF	EPDM	Kel–F	Neoprene	Nitrile	Polyurethane	Silicone	Tygon®	Viton–A	Ceramic	Silica	304 Stainless	316 Stainless	Carbon Steel	Hastelloy–C	Aluminum	Brass	Copper
Butane	B	A	C	R	R	U	U	A	R	R	A	U	A	A	A	R	U	C	A	–	–	G	G	E	G	G	G	G
Butyl Alcohol	U	A	A	R	B	B	R	A	R	U	A	A	A	A	X	–	B	B	A	–	R	E	E	G	G	E	G	G
n-Butyl Amine	–	X	U	R	R	U	U	A	U	U	X	–	U	U	R	–	B	U	U	–	–	–	G	G	G	G	–	–
Butyl Ether	–	U	U	R	A	–	–	A	R	–	A	U	A	U	B	–	U	A	U	–	–	–	E	E	–	E	–	–
Butyl Phenol	U	–	U	R	–	–	U	R	U	U	R	–	–	U	–	–	–	–	U	–	–	G	E	–	G	G	–	–
Butyl Phthalate	–	–	U	R	R	–	R	R	R	–	R	B	A	D	U	–	A	–	C	–	–	G	G	–	G	U	G	G
Butylacetate	U	A	X	R	A	R	X	A	U	U	B	B	A	X	U	–	U	U	U	–	R	G	G	G	G	E	G	G
Butyric Acid	U	A	U	R	U	U	R	R	U	U	A	B	A	U	U	–	U	U	B	–	R	G	G	U	E	G	G	G
Carbon Tetrachloride	U	B	U	R	X	U	U	R	U	U	R	U	A	U	U	U	U	B	A	A	R	E	E	G	E	U	G	E
Carbonic Acid	R	B	A	R	R	R	A	A	R	R	A	B	A	X	X	R	A	–	A	A	–	G	G	G	E	E	G	G
Chloroacetic Acid	U	U	U	R	U	U	C	A	R	R	A	B	A	U	U	U	U	A	U	–	–	U	U	U	E	U	U	U
Chlorobenzene	U	X	U	R	R	U	U	B	U	U	A	U	A	U	U	–	U	A	A	A	R	G	G	G	E	G	G	G
Chlorobromomethane	–	–	–	–	C	–	A	A	U	–	–	B	–	U	U	–	U	–	A	A	–	–	–	–	–	–	B	–
Chlordane (¼ lb./gal.)	U	–	–	–	–	–	–	R	–	–	–	U	–	C	B	–	U	–	A	–	–	G	G	G	–	–	–	–
Chloroethane	U	A	U	R	R	R	X	A	U	U	A	X	A	U	U	–	U	–	B	–	–	G	G	G	–	–	–	G
Chloroform	U	A	U	R	R	U	X	A	U	U	A	U	B	U	U	U	U	B	A	A	R	E	E	U	G	G	G	G
Chloronaphthalene	U	–	–	–	–	–	–	–	R	–	–	–	–	U	U	–	–	–	–	–	–	–	G	–	E	U	–	–
Chlorophenol 5% (aq.)	–	R	U	R	U	–	–	R	U	U	R	–	–	–	–	–	–	–	–	–	–	G	G	S	E	–	–	–
Citric Acid	U	B	B	R	R	A	A	A	R	–	A	A	A	A	A	–	A	–	A	A	R	E	E	U	E	E	–	E
Cresol	U	U	U	R	U	U	U	R	X	U	R	U	A	U	U	U	U	U	X	–	R	E	G	G	G	G	–	–
Cresylic Acid 50%	U	U	U	R	U	R	X	R	R	R	R	X	–	U	U	U	U	–	A	–	–	G	G	G	G	G	–	–
Crude Oil	R	R	R	R	R	U	R	U	U	U	U	U	–	U	R	R	–	–	R	–	–	E	E	G	E	E	G	G
Cyclohexane	R	A	U	R	R	R	U	A	X	–	R	U	A	U	B	R	U	U	A	–	–	G	G	G	G	G	G	G
Cyclohexanone	U	A	U	R	R	U	U	A	U	U	R	B	U	U	U	–	U	U	U	A	–	G	G	U	G	G	G	G
DDT 5%	–	–	U	–	–	–	–	–	U	U	–	–	–	–	–	–	–	–	–	–	–	E	E	G	–	E	–	–
Detergents (general)	B	A	A	R	R	R	A	A	R	R	A	A	A	B	A	–	A	A	A	A	–	E	G	G	E	G	G	E
Diacetone Alcohol	–	A	U	R	R	R	R	A	R	–	A	A	B	U	U	–	U	B	U	–	–	G	G	G	E	E	E	E
Dibutyl Phthalate	U	–	U	R	R	U	R	R	U	U	U	R	–	U	U	U	–	–	U	–	–	G	G	G	G	G	G	G
Dichlorobenzene	U	–	U	R	X	U	C	A	U	U	A	U	–	U	U	–	U	–	C	–	–	–	G	–	E	G	–	–
Dichloroethane	U	A	U	R	R	R	X	A	U	U	A	U	A	U	U	–	–	U	C	A	R	G	G	G	G	G	G	–
Dichloroethylene	U	–	–	R	R	–	R	R	U	U	R	U	–	U	U	–	–	–	R	–	–	G	G	–	G	G	–	–
Dichlorofluoromethane	–	–	–	R	–	–	–	R	U	U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Diesel Fuel	–	A	A	R	R	R	A	A	R	–	A	U	A	B	A	–	U	–	A	–	–	E	E	G	G	E	E	–
Diethanolamine	–	–	–	R	R	–	R	R	U	U	U	–	–	R	–	–	–	–	–	–	–	E	E	E	E	E	–	G
Diethyl Amine	U	B	U	R	R	U	A	X	U	–	X	B	A	A	C	–	B	C	A	–	–	G	G	U	–	G	–	–
Diethyl Ether	U	R	U	R	R	U	R	A	U	U	R	U	C	U	U	–	U	–	U	–	–	G	G	G	G	G	G	G
Diethyl Phthalate	–	–	–	–	–	–	–	R	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Diethylene Glycol	B	A	A	R	R	R	A	A	X	–	A	A	–	A	A	–	B	C	A	–	–	E	E	E	G	G	–	G
Dimethyl Aniline	U	U	U	R	R	–	X	A	U	U	A	B	A	U	U	–	U	U	U	–	–	B	B	–	B	A	–	–
Dimethyl Ether	–	–	–	R	–	–	–	R	–	–	–	–	–	U	R	–	–	–	–	–	–	G	G	–	G	–	G	G
Dimethyl Formamide	U	X	U	R	R	R	A	X	U	U	U	X	A	X	U	–	C	U	X	–	–	–	G	U	–	E	–	–
Dimethyl Phthalate	U	–	–	R	R	–	R	R	U	U	R	–	–	U	U	–	–	–	R	–	–	E	E	E	–	E	–	–
Dimethyl Sulfoxide	–	R	U	R	R	R	R	R	U	–	U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dinitrotoluene	–	–	–	–	–	–	–	R	–	–	–	U	–	U	U	–	U	–	X	–	–	G	G	–	–	–	–	–
Dioctyl Phthalate	U	–	U	R	R	U	U	R	U	U	R	R	–	U	U	U	–	–	R	–	–	G	G	G	–	E	–	–
Dioxane	U	R	–	R	R	U	R	R	U	–	U	U	–	U	U	–	–	–	U	–	–	G	G	G	G	G	G	G
Diphenyl	–	–	–	R	R	–	U	A	U	–	–	U	–	B	U	R	U	–	A	–	–	G	G	G	G	G	G	G
Diphenyl Oxide	–	U	–	–	–	–	U	A	U	–	B	U	–	U	A	–	C	U	A	–	–	B	A	–	B	B	–	A
Esters (general)	–	–	U	R	R	–	–	R	U	U	R	–	–	–	–	–	–	–	–	–	–	–	G	–	–	–	–	–

	Plastic											Elastopolymer										Metals						
	ABS	Acetal	CPVC	FEP	Nylon 6, 66	HDPE	Polypropylene	PTFE	PVC Type I	PVC Type II	PVDF	EPDM	Kel–F	Neoprene	Nitrile	Polyurethane	Silicone	Tygon®	Viton–A	Ceramic	Silica	304 Stainless	316 Stainless	Carbon Steel	Hastelloy–C	Aluminum	Brass	Copper
Ethane	–	A	A	–	U	–	U	A	A	–	A	U	–	B	A	–	U	A	A	–	–	A	A	–	–	–	–	A
Ethanolamine	–	U	U	R	R	–	X	A	U	–	X	B	U	B	B	–	B	–	U	A	–	E	E	G	G	G	–	–
Ethers (general)	U	A	U	–	R	U	U	A	U	U	R	C	B	U	X	–	U	C	X	–	R	E	E	G	G	G	G	G
Ethyl Acetate	U	A	U	R	R	R	A	A	U	U	X	B	A	U	U	U	B	U	U	A	R	G	G	G	G	–	G	G
Ethyl Alcohol	B	A	B	R	R	R	A	A	R	R	R	A	B	A	C	U	B	C	A	A	R	G	G	G	E	E	G	G
Ethyl Benzene	–	R	–	R	–	U	U	R	U	U	R	U	–	U	U	–	–	–	R	–	–	S	G	U	E	G	–	–
Ethyl Benzoate	U	–	U	–	–	U	B	A	U	–	U	–	–	U	U	–	U	U	A	–	–	–	–	–	–	–	–	–
Ethyl Chloride	U	R	U	R	R	U	U	R	U	U	R	R	–	U	R	U	–	–	B	–	R	E	E	G	G	–	–	G
Ethyl Ether	U	A	U	R	R	U	U	A	U	U	R	U	A	U	X	U	U	–	U	–	R	G	G	G	G	G	G	G
Ethyl Sulfate	–	–	–	–	–	–	–	A	–	–	–	–	A	–	A	–	–	–	A	–	–	U	U	–	–	–	–	B
Ethylene Bromide	U	–	U	R	R	U	U	A	U	U	A	X	B	X	U	–	U	U	A	–	–	E	E	–	E	–	–	–
Ethylene Chloride	U	A	U	R	R	R	X	A	U	U	A	X	A	U	U	–	U	–	B	–	–	G	G	G	–	–	–	G
Ethylene Chlorohydrin	U	U	U	R	U	U	X	A	U	U	A	B	–	X	U	U	C	U	A	–	–	G	G	G	G	G	G	G
Ethylene Diamine	U	X	U	R	U	–	R	A	U	U	B	A	U	X	A	–	A	–	B	–	–	G	G	G	U	G	U	U
Ethylene Dibromide	–	–	–	R	–	–	R	R	–	–	R	–	–	–	–	–	–	–	–	–	–	–	G	–	G	–	G	–
Ethylene Glycol	A	B	A	R	R	R	A	A	R	R	A	A	A	A	A	R	A	B	R	A	–	G	G	G	E	E	G	G
Ethylene Oxide	U	U	X	R	R	R	U	A	U	U	A	X	C	U	U	U	U	–	U	–	R	G	G	G	E	E	U	–
Formaldehyde 100%	B	A	A	–	U	–	C	A	A	–	A	A	A	C	C	–	B	B	U	–	–	C	A	–	A	A	–	A
Formaldehyde 37%	A	A	A	R	R	R	A	A	R	R	A	A	A	B	X	U	–	–	R	–	R	E	E	U	G	G	E	G
Formic Acid 5%	–	U	R	R	U	R	R	R	R	–	R	R	–	R	U	–	–	–	R	–	–	G	E	–	E	U	S	E
Fuel Oils	U	A	–	R	R	R	A	B	R	R	B	U	A	B	X	R	U	A	A	–	–	G	G	G	G	G	G	G
Gasoline (high-aromatic)	U	B	A	–	–	–	A	B	A	–	A	U	A	A	A	–	U	A	A	A	–	A	A	–	A	U	–	–
Gasoline (leaded)	U	A	U	R	R	U	X	A	R	–	A	U	A	B	A	R	U	C	A	A	–	G	G	G	E	G	G	G
Gasoline (unleaded)	U	A	X	R	R	U	X	A	R	–	A	U	A	B	A	R	U	C	A	–	–	G	G	G	E	G	G	G
Glycolic Acid	B	A	A	R	–	R	A	A	R	R	B	A	B	A	A	–	A	A	A	–	–	G	G	U	G	G	–	–
Heptane	X	A	A	R	R	R	C	A	R	R	A	U	A	B	A	U	U	B	A	–	–	G	G	G	E	G	G	G
Hexachloroethane	–	–	–	–	–	–	–	R	–	–	–	–	–	–	–	–	–	–	–	–	–	G	G	–	G	G	S	G
Hexamine	–	–	–	R	–	–	–	R	–	–	–	–	–	–	–	–	–	–	–	–	–	E	E	–	E	E	G	–
Hexane	U	A	B	R	R	U	B	A	R	R	A	U	A	B	A	R	U	U	A	–	–	E	E	G	E	G	G	–
Hexyl Alcohol	–	A	–	–	A	–	–	A	A	–	–	C	–	A	A	–	B	A	C	–	–	A	A	–	A	A	–	–
Hydraulic Oil (petro.)	–	B	–	–	A	–	U	A	A	–	A	U	–	A	A	–	B	A	A	–	–	A	A	–	A	A	A	A
Hydraulic Oil (synthetic)	–	–	–	–	A	–	U	A	A	–	A	A	–	A	U	–	B	A	A	–	–	A	A	–	A	A	A	A
Hydrazine	–	B	U	–	–	U	C	C	–	–	A	A	–	B	B	–	B	–	A	–	–	A	A	–	–	–	–	A
Hydrogen Peroxide (dilute)	R	R	U	R	R	R	R	R	R	–	R	R	–	U	R	–	–	–	R	–	–	G	G	U	E	E	U	U
Hydroquinone	X	A	A	R	U	–	A	A	R	R	R	U	–	A	X	–	–	–	B	–	–	G	G	G	G	G	G	–
Hydroxyacetic Acid 70%	–	A	A	–	–	–	–	A	U	–	A	A	–	A	A	–	–	–	A	–	–	–	–	–	–	–	–	–
Iodoform	–	–	–	R	–	–	R	C	–	–	C	A	–	A	U	–	–	C	R	–	R	E	E	U	U	G	–	G
Isobutyl Alcohol	B	A	–	–	A	–	A	A	A	–	–	A	–	A	B	–	A	A	A	–	–	–	–	–	–	–	–	–
Isooctane	–	–	–	–	A	B	A	A	A	–	A	U	A	B	A	–	U	A	A	–	–	A	A	–	–	A	A	–
Isopropyl Acetate	U	U	U	R	R	R	B	A	U	U	X	B	–	U	U	–	U	–	U	–	–	E	G	E	G	G	–	–
Isopropyl Alcohol	R	A	C	R	U	R	A	A	R	R	R	A	–	B	B	U	A	A	A	A	–	G	G	G	G	G	G	G
Isopropyl Ether	–	U	R	R	R	–	X	A	R	R	X	U	A	U	B	R	U	A	U	–	–	E	G	–	–	–	G	G
Isotane	–	–	–	–	U	–	U	–	A	–	A	–	–	U	A	–	–	–	–	A	–	–	–	–	–	U	–	–
Jet Fuel JP–4, JP–5	–	A	R	R	R	–	A	A	R	R	A	U	A	U	A	U	U	A	A	–	–	G	G	G	E	G	E	–
Kerosene	X	A	R	R	R	R	R	A	R	R	A	U	A	A	A	U	U	U	A	A	–	G	G	G	G	G	G	G
Lacquer Thinners	A	U	–	–	A	–	U	A	U	–	–	U	–	U	U	–	U	U	U	–	–	–	G	–	–	G	–	–
Lacquers	A	U	–	–	A	–	U	A	U	–	U	U	–	U	U	–	U	A	U	–	–	E	E	–	–	–	–	–
Lactic Acid	U	B	A	R	R	–	B	A	R	R	B	A	A	A	X	–	A	A	A	A	–	G	G	U	G	G	G	G
Lead Acetate	B	B	A	R	R	R	A	A	R	R	A	A	A	A	B	–	A	B	U	A	–	G	G	U	G	U	U	G

	Plastic											Elastopolymer										Metals						
	ABS	Acetal	CPVC	FEP	Nylon 6, 66	HDPE	Polypropylene	PTFE	PVC Type I	PVC Type II	PVDF	EPDM	Kel–F	Neoprene	Nitrile	Polyurethane	Silicone	Tygon®	Viton–A	Ceramic	Silica	304 Stainless	316 Stainless	Carbon Steel	Hastelloy–C	Aluminum	Brass	Copper
Linoleic Acid	A	B	A	R	U	U	B	A	R	R	A	U	–	U	B	–	B	A	B	–	–	G	G	U	G	G	U	U
Maleic Acid	R	A	A	R	X	R	R	A	R	R	A	X	–	U	U	–	–	C	A	–	R	G	G	U	G	–	G	–
Malic Acid	R	A	R	R	X	R	A	A	R	R	A	U	–	X	A	–	B	A	A	–	–	E	E	U	G	G	–	U
Melamine	–	A	A	–	A	–	A	A	U	–	–	A	–	U	C	–	C	U	A	–	–	–	U	–	–	–	–	–
Methane	–	A	–	R	R	–	A	A	R	R	A	X	–	B	A	–	U	–	A	–	–	E	E	G	E	E	E	G
Methyl Acetate	U	X	U	R	R	R	X	A	U	U	B	X	A	X	U	–	U	A	U	–	–	G	G	S	E	G	–	–
Methyl Acetone	–	U	–	–	A	–	–	A	U	–	U	A	–	U	U	–	–	A	U	–	–	A	A	–	–	A	A	–
Methyl Acylate	–	B	–	–	–	–	U	–	–	–	B	B	–	B	U	–	U	–	U	–	–	A	–	–	–	–	–	–
Methyl Alcohol	U	A	A	R	R	R	A	A	R	R	A	A	A	A	A	U	A	A	U	A	R	G	G	G	E	G	G	G
Methyl Alcohol 10%	U	A	A	–	B	B	A	A	–	–	A	A	A	A	A	–	A	A	A	A	–	–	–	–	–	–	–	–
Methyl Amide	U	U	–	–	–	–	A	A	U	–	C	A	A	–	B	–	–	U	U	–	–	A	A	–	–	A	U*	–
Methyl Bromide	U	U	U	R	U	R	X	A	U	U	A	U	–	U	B	–	–	–	A	–	–	G	G	G	–	U	–	–
Methyl Butyl Ketone	–	U	–	–	U	U	U	–	–	–	U	A	–	U	U	–	U	–	U	–	–	A	A	–	–	–	–	–
Methyl Chloride	U	B	U	R	R	U	U	A	U	U	A	U	A	U	U	U	U	U	A	–	–	E	E	U	G	U	E	G
Methyl Chloroform	U	–	U	R	–	–	U	R	U	U	R	U	–	U	U	–	–	–	R	–	–	–	–	–	–	–	–	–
Methyl Dichloride	–	U	–	–	C	–	U	–	–	–	U	U	–	–	U	–	–	–	A	–	–	–	–	–	–	–	–	–
Methyl Ethyl Ketone	U	U	U	R	R	U	B	A	U	U	U	A	A	U	U	U	U	U	U	A	–	G	G	G	G	G	G	G
Methyl Isopropyl Ketone	–	–	–	–	A	–	–	A	U	–	–	C	–	U	U	–	C	–	U	–	–	A	A	–	–	A	–	A
Methyl Methacrylate	–	U	R	R	–	–	X	R	R	U	B	U	–	U	U	–	C	–	U	–	–	G	G	U	–	G	–	–
Methyl Pentanone	U	–	U	R	R	R	R	A	U	U	X	B	A	U	U	–	U	–	U	–	–	G	G	G	G	G	G	G
Methylene Chloride	U	B	U	R	U	U	B	A	U	U	B	X	A	U	U	U	–	U	B	–	R	G	G	G	E	E	G	G
Monochloroacetic Acid	–	U	–	–	U	U	–	A	–	–	B	C	B	A	U	–	–	–	C	–	–	A	A	–	A	U*	B	U*
Monoethanolamine	–	U	–	R	R	–	B	A	U	U	U	B	–	X	B	–	B	–	X	–	–	E	E	G	G	G	G	G
Motor Oil	C	B	A	R	R	U	U	A	R	R	B	U	A	B	A	–	–	A	R	A	–	G	G	G	–	–	G	G
Napthalene	U	X	U	R	R	U	R	A	U	U	A	U	A	U	U	R	U	C	A	A	–	E	E	G	G	G	G	G
Nitrobenzene	U	X	U	R	R	U	B	A	U	U	A	U	A	U	U	U	U	U	B	–	R	G	G	G	G	E	G	G
Nitromethane	U	A	U	R	U	–	R	A	R	R	A	B	A	U	U	–	U	B	U	–	–	G	G	G	–	G	–	–
Nitrophenol	–	–	–	–	–	–	–	R	–	–	–	–	–	–	–	–	–	–	–	–	–	G	G	–	–	G	–	G
Octane	–	–	–	R	–	R	R	R	U	U	R	U	–	R	R	–	–	–	R	–	–	–	G	G	–	G	G	G
Octyl Alcohol	A	A	B	–	A	–	–	–	–	–	–	B	–	B	B	–	B	–	B	–	–	A	A	–	C	A	–	A
Oleic Acid	X	A	A	R	R	U	B	A	R	R	A	B	B	X	B	R	U	C	B	A	–	E	E	G	G	G	S	G
Oxalic Acid 5%	R	U	R	R	U	R	R	R	R	R	R	R	–	R	U	–	–	–	R	–	–	U	G	U	G	G	S	G
Palmitic Acid 10%	A	A	A	R	R	R	B	A	R	R	A	B	–	U	A	R	U	B	A	–	–	–	G	–	–	G	G	G
Pentachlorophenol	–	–	–	–	–	–	–	R	–	–	–	–	–	–	–	–	–	–	R	–	–	–	–	E	–	–	–	–
Pentane	–	B	–	–	A	–	U	A	A	–	A	U	–	B	A	–	U	A	A	–	–	C	C	–	A	B	–	–
Petroleum	B	B	A	R	–	U	B	A	R	–	A	U	–	B	A	–	U	–	A	–	–	G	G	–	–	G	G	G
Phenol 10%	U	X	A	R	U	R	B	A	U	U	A	B	B	U	U	U	U	C	A	A	–	G	G	G	G	E	G	G
Phthalic Acid	B	C	X	R	R	–	A	A	U	U	A	A	–	A	U	–	B	–	A	–	–	G	E	S	G	G	G	G
Phthalic Anhydride	B	C	U	R	–	–	U	A	U	–	A	A	–	A	U	–	–	B	A	–	–	E	E	G	E	E	G	–
Picric Acid	X	A	U	R	U	U	A	A	U	U	A	A	–	A	X	–	B	–	A	–	R	G	G	U	G	E	U	U
Propyl Alcohol	X	A	A	R	U	R	A	A	R	R	A	A	A	A	A	–	A	A	A	A	–	E	E	G	E	G	G	G
Propylene	B	–	–	–	–	–	–	A	B	–	–	U	–	U	U	–	U	B	A	–	–	B	A	–	–	A	–	A
Propylene Glycol	B	B	X	R	R	R	A	A	U	U	A	A	–	C	A	–	A	–	A	A	–	G	G	G	G	G	G	G
Propylene Oxide	–	–	–	R	–	R	R	R	U	U	U	R	–	U	U	–	–	–	U	–	–	E	E	–	–	–	–	–
Pyridine	–	B	U	R	R	R	A	A	U	U	U	X	A	U	U	–	U	U	U	A	–	G	G	G	E	G	G	G
Sodium Acetate	B	B	A	R	R	R	A	A	R	R	A	A	A	B	B	–	U	–	U	A	–	G	G	U	G	E	G	G
Sodium Benzoate	A	–	A	R	R	R	A	A	R	R	A	A	–	A	B	–	–	B	A	–	–	–	–	–	G	G	–	E
Sodium Hypochlorite 20%	R	U	R	R	U	R	R	R	R	R	R	R	A	U	U	–	B	C	A	–	U	U	U	U	U	G	G	S
Stearic Acid	U	A	B	R	R	R	A	A	R	R	A	X	–	B	B	R	B	B	A	–	R	G	E	S	E	G	S	G

	Plastic											Elastopolymer										Metals						
	ABS	Acetal	CPVC	FEP	Nylon 6, 66	HDPE	Polypropylene	PTFE	PVC Type I	PVC Type II	PVDF	EPDM	Kel–F	Neoprene	Nitrile	Polyurethane	Silicone	Tygon®	Viton–A	Ceramic	Silica	304 Stainless	316 Stainless	Carbon Steel	Hastelloy–C	Aluminum	Brass	Copper
Styrene	–	A	U	–	A	U	–	A	U	–	–	U	–	U	U	–	U	–	B	–	–	A	A	–	U*	A	A	B
Tartaric Acid	–	B	A	–	B	–	A	A	A	–	B	B	A	A	A	–	A	B	A	A	–	C	C	–	B	B	U*	A
Tetrachloroacetic Acid	R	–	R	R	R	R	R	R	R	R	R	U	–	R	R	R	–	–	R	–	–	E	E	–	G	G	S	U
Tetrachloroethane	–	A	X	R	R	–	C	A	U	U	A	U	A	U	U	–	U	–	A	–	R	E	E	E	E	G	–	S
Tetrachloroethylene	U	A	U	R	R	U	U	A	U	U	R	U	A	U	U	U	U	–	A	–	–	E	E	G	G	G	G	G
Tetrachlorophenol	–	–	–	–	–	–	R	R	–	–	R	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Tetraethyl Lead	U	–	R	R	–	U	R	R	R	R	R	U	–	–	U	–	–	–	R	–	–	G	G	G	–	G	G	–
Tetrahydrofuran	U	A	U	R	R	U	C	A	U	U	B	U	A	U	U	–	U	–	X	A	–	E	G	E	E	U	–	–
Toluene	U	X	U	R	R	U	C	A	U	U	A	U	B	U	X	U	U	U	C	A	–	E	E	E	E	E	E	E
Toxaphene–Xylene 10-90%	–	–	U	R	–	–	R	R	U	–	–	–	–	–	–	–	–	–	–	–	–	G	G	S	–	S	–	–
Trichloroacetic Acid	–	–	R	R	U	R	A	A	R	–	B	B	A	U	R	–	U	C	C	A	–	U	U	U	G	U	G	G
Trichlorobenzene	–	–	–	–	–	–	–	R	U	–	–	–	–	U	U	U	–	–	R	–	–	–	–	E	–	–	–	–
Trichloroethane	–	A	–	–	–	–	C	A	C	–	A	U	A	U	U	–	U	–	A	–	–	–	–	–	–	–	–	–
Trichloroethylene	U	U	U	R	R	U	C	A	U	U	B	U	A	U	U	U	U	–	X	A	–	G	G	G	E	E	G	G
Trichlorofluoromethane	–	–	–	–	–	–	–	–	U	–	–	–	–	U	U	–	–	–	–	–	–	–	G	–	–	G	–	–
Trichloropropane	U	A	–	–	–	–	–	A	–	–	–	–	A	A	U	–	–	U	A	–	–	A	A	–	A	U*	–	A
Triethanolamine	R	U	R	R	R	U	R	R	U	U	R	R	–	R	U	U	–	–	R	–	–	G	G	G	G	G	U	E
Triethylamine	U	U	A	R	R	–	U	A	R	R	A	A	A	A	C	–	–	A	X	B	–	G	G	–	–	–	–	–
Trimethylpropane	U	–	R	R	–	–	U	R	R	R	R	–	–	–	R	R	–	–	–	–	–	–	–	–	–	–	–	–
Turpentine	U	A	A	R	R	U	X	A	X	U	A	U	A	U	R	U	U	B	A	A	–	E	E	G	G	G	S	G
Vinyl Acetate	U	–	U	R	–	U	B	A	U	U	A	B	–	X	X	–	U	U	A	B	–	E	E	G	E	E	G	–
Vinyl Chloride	U	–	U	–	A	–	–	A	U	–	B	C	–	U	U	–	–	U	A	A	–	B	A	–	A	B	–	B
White Liquor (pulp mill)	X	U	R	R	R	–	R	R	R	R	R	R	–	R	R	–	–	–	R	–	–	G	G	S	G	G	–	–
White Water (paper mill)	R	B	–	–	R	–	R	–	R	–	–	–	–	A	–	–	–	–	A	–	–	A	A	–	–	–	–	–
Xylene	U	A	U	R	R	U	B	A	U	U	A	U	A	U	U	U	U	U	X	A	–	G	G	G	E	G	G	G

This table should only be used as a guide since it is difficult to duplicate operating conditions. To fully guarantee the suitability of a particular material, chemical resistance tests should be conducted under actual operating conditions.

No data was found on the following environmentally important chemicals:

Acenaphthene*
Acenapthalene*
Acrolein
Anthracene*
Benzidine
Benzo(a)athracene*
Benzo(b)fluoranthene*
Benzo(g,h,i)perylene*
Benzo(a)pyrene*
Bromophenylphenylether
Butylbenzylphthalate
Chlorodibromomethane
Chloroethoxymethane
Chloroethylether
Chloroethylvinylether
Chloroisopropylether
Chloromethylether
Chlorophenylphenylether
Chrysene*
DDD**
DDE**
Dichlorobenzidine
Dichlorobromomethane
Dichlorophenol
Dichlorophenoxyacetic Acid
Dichloropropane
Dichloropropylene
Dieldrin**
Dinitrophenol
Diphenylhydrazine
Endosulfan
Endrin**
Fluoranthene*
Fluorene*
Heptachlor**
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclohexane
Indeno(1,2,3–c,d)pyrene*
Isophorone
2–Methylnapthalene
Parachlorometa Cresol
Phenanthrene*
Phenylenepyrene
Pyrene*
Trichlorophenol
Trichlorophenoxyacetic Acid

* Component of cresotoe and coal tar. At room temperature and below, these compounds are solid in pure form.
** Pesticides