



Chemical Resistance Data

Chemical Environment	Inner Surface		Anhydride Cured Epoxy	
	°F	°C	°F	°C
ACETALDEHYDE	NR	NR	NR	NR
ACETIC ACID, 10%	200	93	175	79
ACETIC ACID, 20%	200	93	125	52
ACETIC ACID, 50%	150	66	NR	NR
ACETIC ACID, 75%	130	54	NR	NR
ACETIC ACID, GLACIAL	75	23	NR	NR
ACETONE, 1%	NR	NR	100	38
ACETONE, 10%	NR	NR	NR	NR
ACRYLIC ACID, 25%	75	24	NR	NR
AIR, WET OR DRY	200	93	200	93
ALUMINUM CHLORIDE, 1%	200	93	200	93
ALUMINUM NITRATE, 25%	160	71	150	66
ALUMINUM SULFATE, 25%	200	93	150	68
ALUM, ALL	200	93	150	68
AMMONIUM CHLORIDE, 25%	200	93	150	66
AMMONIUM HYDROXIDE, 30%	100	38	NR	NR
AMMONIUM NITRATE, 25%	200	93	150	66
AMMONIUM PHOSPHATE, 25%	200	93	150	66
AMMONIUM SULFATE, 25%	200	93	150	66
AMYL ACETATE, 1%	125	52	75	24
AMYL ACETATE, 10%	NR	NR	NR	NR
ANILINE, ALL	NR	NR	NR	NR
BARIUM CHLORIDE, 25X%	200	93	150	66
BARIUM HYDROXIDE, 5%	150	66	70	21
BARIUM TETRASULFIDE, 25%	170	77	NR	NR
BEER	90	32	140	60
BENZENE, 1%	100	38	125	52
BENZENE, 10%	NR	NR	70	21
BENEZENE SULFONIC ACID, 50%	NR	NR	NR	NR
BENZOIC ACID, ALL	200	93	140	60
BLACK LIQUOR (PULP MILL)	200	93	100	38
BORIC ACID (ORTHO), 5%	200	93	150	66
BROMINE, 5%	170	77	NR	NR
BROMINE, 10%	NR	NR	NR	NR
BUTANE, 100%	NR	NR	75	24

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BUTANOL, ALL	90	32	75	24
BUTYL ACETATE, 100%	NR	NR	75	24
BUTYL CALLOSOLVE	150	66	75	24
BUTYRIC ACID, 25%	200	93	75	24
CALCIUM BISULFITE, ALL	150	66	100	38
CALCIUM CHLORIDE, 37%	200	93	150	66
CALCIUM HYPOCHLORITE, 5%	150	66	100	38
CALCIUM NITRATE, 25%	200	93	150	66
CARBON DIOXIDE, DRY	200	93	200	93
CARBON DIOXIDE, WET	150	66	150	66
CARBON TETRACHLORIDE, 100%	90	32	NR	NR
CASTOR OIL, 100%	200	93	200	93
CHLORACETIC ACID, 10%	150	66	NR	NR
CHLORINE GAS, WET	NR	NR	NR	NR
CHLORINATED WATER, 1000ppm	175	79	150	66
CHLOROBENZENE, 100%	NR	NR	NR	NR
CHLOROFORM, 1%	100	38	75	24
CHLOROFORM, 10%	NR	NR	NR	NR
CITRIC ACID, 25%	200	93	150	66
COPPER CHLORIDE, 25%	200	93	200	93
COPPER NITRATE, 25%	200	93	100	38
COPPER SULFATE, 25%	200	93	150	66
CRUDE OIL, SWEET OR SOUR	200	93	200	93
DICHLOROBENZENE (ORTHO), 100%	NR	NR	NR	NR
DIESEL FUEL, 100%	170	77	150	66
DIETHYLENE TRIAMINE, 1%	100	38	75	24
DIETHYLENE TRIAMINE, 10%	NR	NR	NR	NR
ETHANOL, 100%	100	38	75	24
ETHYL ACETATE, 100%	NR	NR	NR	NR
ETHYLENE GLYCOL, ALL	200	93	190	88
FERRIC CHLORIDE, ALL	200	93	150	66
FERRIC NITRATE. 10%	200	93	100	38
FERRIC SULFATE, 10%	200	93	150	66
FERROUS CHLORIDE, 25%	200	93	150	66
FERROUS SULFATE, ALL	200	93	150	66
FORMALDEHYDE, 37%	100	38	NR	NR
FUEL OIL, 100%	170	77	150	56
GASOLINE, ALL TYPES, 100%	140	60	140	60
GLUCOSE, ALL	200	93	125	52
GLYCERIN. ALL	200	93	200	93
HYDRAULIC FLUID	100	38	100	38

Chemical Environment	Inner Surface		Anhydride Cured Epoxy	
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HYDROBROMIC ACID, 10%	200	93	75	24
HYDROBROMIC ACID, 50%	150	66	NR	NR
HYDROCHLORIC ACID, 3%	200	93	150	66
HYDROCHLORIC ACID, 10%	175	79	125	52
HYDROCHLORIC ACID, 20%	125	52	75	24
HYDROCHLORIC ACID, 37%	NR	NR	NR	NR
HYDROFLOURIC ACID	NR	NR	NR	NR
HYDROGEN CHLORIDE (DRY), 100%	150	66	100	38
HYDROGEN PEROXIDE, 10%	100	38	NR	NR
HYDROGEN SULFIDE (DRY),100%	150	66	150	66
HYDROGEN SULFIDE (WET ,SATURATED),100%	125	52	125	52
ISOPROPYL ALCOHOL, 10%	150	66	100	38
ISOPROPYL ALCOHOL, 100%	80	27	75	24
JET FUEL, 100%	120	49	150	66
KEROSENE	150	66	150	66
LACTIC ACID, ALL	200	93	150	66
LEAD ACETATE, ALL	200	93	190	88
LINSEED OIL	200	93	200	93
LIME SLURRY	175	79	100	38
MAGNESIUM CHLORIDE	200	93	200	93
MAGNESIUM NITRATE, 10%	170	77	150	66
MAGNESIUM SULFATE, 10%	170	77	200	93
MALEIC ACID, 10%	200	93	150	66
METHANOL, 10%	140	60	100	38
METHANOL, 100%	NR	NR	NR	NR
METHYLENE CHLORIDE, 1%	75	24	NR	NR
METHYLENE CHLORIDE, 10%	NR	NR	NR	NR
METHYL ETHYL KETONE, 1%	NR	NR	75	24
METHYL ETHYL KETONE, 100%	NR	NR	NR	NR
METHYL ISOBUTYL KETONE, 100%	NR	NR	NR	NR
MINERAL OIL	200	93	200	93
MINERAL SPIRITS, 100%	100	38	75	24
MUD ACID, 5% (8 hr. maximum exposure)	150	66	125	52
NAPHTHA, 100%	125	52	100	38
NATURAL GAS	200	93	175	79
NICKEL CHLORIDE, 25%	200	93	150	66
NICKEL NITRATE, 25%	200	93	100	38
NITRIC ACID, 1%	180	82	120	49
NITRIC ACID, 5%	140	60	NR	NR
NITRIC ACID, 10%	140	60	NR	NR

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OLEIC ACID, ALL	200	93	150	66
OXALIC ACID, ALL	200	93	150	66
PERCHLOROETHYLENE, 100%	90	32	70	21
PHENOL, 1%	100	38	75	24
PHENOL, 1%	NR	NR	NR	NR
PHOSPHORIC ACID, 10%	200	93	125	52
PHOSPHORIC ACID, 30%	160	71	100	38
PHOSPHORIC ACID, 50%	140	60	70	21
PICKLING ACID	200	93	100	38
POTASSIUM BICARBONATE, 20%	150	66	100	38
POTASSIUM BROMIDE, 25%	200	93	200	93
POTASSIUM CARBONATE, 14%	150	66	NR	NR
POTASSIUM CHLORIDE, 25%	200	93	200	93
POTASSIUM DICHROMATE, 3%	200	93	75	24
POTASSIUM NITRATE	200	93	150	66
POTASSIUM PERMANGANATE, 5%	200	93	75	24
POTASSIUM SULFATE, 10%	200	93	100	38
PROPANE	125	52	125	52
PROPYLENE GLYCOL, ALL	175	79	180	82
SOAPS, ALL	150	66	200	93
SODIUM ACETATE, 25%	200	93	200	93
SODIUM BICARBONATE, 5%	160	71	125	52
SODIUM BISULFATE, ALL	200	93	180	82
SODIUM BROMIDE, 25%	200	93	180	82
SODIUM CARBONATE, 10%	180	71	75	24
SODIUM CARBONATE, 25%	140	60	NR	NR
SODIUM CHLORIDE, ALL	200	93	200	93
SODIUM DICHROMATE, 25%	200	93	75	24
SODIUM HYDROXIDE, 5%	125	52	NR	NR
SODIUM HYDROXIDE, 10%	75	24	NR	NR
SODIUM HYDROXIDE, 25%	NR	NR	NR	NR
SODIUM HYPOCHLORITE, ALL	NR	NR	NR	NR
SODIUM NITRATE, 25%	200	93	100	38
SODIUM NITRATE, 50%	200	93	100	38
SODIUM SULFATE, 10%	200	93	100	38
SODIUM SULFIDE, 10%	200	93	75	24
SODIUM SULFITE, 10%	190	88	100	38
SODIUM THIOSULFATE, 25%	160	71	NR	NR
STANNIC CHLORIDE, 25%	200	93	100	38
STERIC ACID, ALL	190	88	150	63
STYRENE, 100%	NR	NR	NR	NR
SULFAMIC ACID, 25%	200	93	80	26

Chemical Environment	Inner Surface		Anhydride Cured Epoxy	
	°F	°C	°F	°C
SULFUR DIOXIDE, DRY	200	93	150	66
SULFUR DIOXIDE, WET	150	66	150	66
SULFURIC ACID, 3%	200	93	125	52
SULFURIC ACID, 10%	150	66	100	38
SULFURIC ACID, 25%	100	38	NR	NR
SULFURIC ACID, 50%	NR	NR	NR	NR
TANNIC ACID, 15%	200	93	150	66
TARTARIC ACID, 10%	200	93	150	66
TARTARIC ACID, 15%	200	93	150	66
TOULENE, 100%	75	24	NR	NR
TRANSFORMER OIL	75	24	75	24
TRIETHANOLAMINE, 100%	150	66	NR	NR
TURPENTINE, 100%	80	26	80	26
UREA, 25%	200	93	NR	NR
VINEGAR	200	93	150	66
WATER, CHLORINATED, 100ppm	200	93	170	77
WATER, DIONIZED	180	82	125	52
WATER, DIMINERALIZED or CLOSED LOOP HEATING	200	93	100	38
WATER. DISTILLED	200	93	100	38
WATER, BRINE	200	93	170	77
WATER, HARD	200	93	170	77
WATER, SALT. ALL	200	93	170	77
WATER, SEA	200	93	170	77
XYLENE, 10%	100	38	75	23
XYLENE, 100%	75	24	NR	NR
ZINC CHLORIDE, 25%	200	93	150	66
ZINC SULFATE, 25%	200	93	150	66
AMALGA COMPOSITES	Max. Temp.		Max. Temp.	
NR = Not Recommended				