

Chemical Listings



CORROSION
RESISTANT RESINS

CONCENTRATIONS AND RECOMMENDED MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE - DEGREES F

CHEMICAL	CONC.%	NOTES	F010	F007	F080	F083	F085	F282	K190	F701	F737	Hood & Duct K733
			F013 K022	F015		K023	F086 K095			F707 F764 F774		
			TEMPERATURE									
CHLOROPYRIDINE (TETRA)	100		80	80			120	NR		NR	NR	NR
CHLOROSULPHONIC ACID	10		NR	NR	NR	NR	NR	NR		NR	NR	NR
CHLOROSULPHONIC ACID	100		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
CHLOROTOLUENE	10		80		NR		80	NR		NR	NR	NR
CHLOROTOLUENE	100		NR	NR	NR		NR	NR	NR		NR	NR
CHROME PLATING SOLUTION	10		120	120	110	100	150	120	100	NR	NR	NR
CHROMIC ACID	10	8	150	100	150	150	150	150	180	100	NR	NR
CHROMIC ACID	20	8	120		120	120	150	100	150	100	NR	NR
CHROMIC ACID	30	8	NR	NR	NR	NR	NR	NR	120	NR	NR	NR
CHROMIC ACID	40	8	NR	NR	NR	NR	NR	NR	90	NR	NR	NR
CHROMIC/SULPHURIC ACID (2.5% / 13.7%)	16.2	8	NR				NR	NR		NR	NR	NR
CHROMIC/SULPHURIC ACID, MAX. CONC. MIX. 10%	10	8	120	120	110	100	150	120	100			NR
CHROMIUM SULPHATE	ALL		200	150	200	200	200	200	150	NR	NR	140
CHROMOUS SULPHATE	ALL		200	150	200	200	200	200	150	NR	NR	140
CINNAMALDEHYDE	100		80				80	NR				
CITRIC ACID	ALL		200	170	210	210	210	210	200	180	80	160
COBALT CHLORIDE	ALL		210	210			210	210	160			160
COBALT CITRATE	100		180	180			180	180	190			160
COBALT NITRATE	100		210	210	210	210	210	210	210			160
COCONUT FATTY ACID	100		200	200	200	200	200	200	210			180
COCONUT OIL	ALL	12	180	200	180	180	200	200	200	140	100	180
COD LIVER OIL	ALL	12	100	100	100	100	100	100	100	80		180
COPPER ACETATE	ALL		180	180	180	180	180	180	190	140	NR	120
COPPER AMMONIUM CHLORIDE	ALL		180	180	180	180	180	180	190			120
COPPER CYANIDE	100		200	200	220	210	210	210	200	90	NR	90
COPPER(I) CHLORIDE	ALL		200	200	210	210	210	210	210	180	140	180
COPPER(I) SULPHATE	ALL		200	200	210	210	210	210	210	180	100	180
COPPER(II) CHLORIDE	ALL		200	200	210	210	210	210	210	180	140	180
COPPER(II) NITRATE	ALL		200	200	210	210	210	210	210	160	100	180
COPPER(II) SULPHATE	ALL		200	200	210	210	210	210	210	180	100	180
CORN OIL	ALL	12	180	210	200	210	210	210	210	150	100	180
CORN STARCH SLURRY	ALL	12	200	210	210	210	210	210	210	120	100	180

Notes

Fahrenheit to Centigrade Conversions

300°F= 149°C	230°F= 110°C	160°F= 71°C	100°F= 38°C
290°F= 143°C	220°F= 104°C	150°F= 66°C	90°F= 32°C
280°F= 138°C	210°F= 99°C	140°F= 60°C	80°F= 27°C
270°F= 132°C	200°F= 93°C	130°F= 54°C	77°F= 25°C
260°F= 127°C	190°F= 88°C	120°F= 49°C	70°F= 21°C
250°F= 121°C	180°F= 82°C	110°F= 44°C	60°F= 16°C
240°F= 116°C	170°F= 77°C		

Room temperature is assumed to be 77°F

- 1 Synthetic veil recommended
 - 2 Double synthetic veil recommended
 - 3 Double C-glass veil recommended
 - 4 Double C-glass veil recommended. The thickness of the chemical resistance barrier (veil plus chopped glass fibers) should be ≈0.200 inches thick
 - 5 Carbon Veil is recommended for improved service life.
 - 6 Acid resistant (ECR) glass recommended in chopped glass layer behind the veil layer(s)
 - 7 BPO/DMA or BPO/DEA curing system is recommended for improved service life.
 - 8 Post cure recommended for improved service life.
 - 9 Satisfactory up to maximum stable temperature of component.
 - 10 Contact Corrosion Product Leader (see page 3)
 - 11 Vipel® F764 or Vipel® F774 are recommended as the preferred products over Vipel® F701.
 - 12 Only F010, F007, F015, F701, F764, F774 and F737 are suitable for FDA/USDA applications.
- NR** Not recommended.
'ALL' in concentration column refers to concentrations in water.
'100' in concentration column refers to the pure chemical.