



Chemical Compatability				
Sr.	Service Liquid	Cellulose Melamin	Cellulose Phenolic	Acrylic Phenolic
1	ACETALDYHYDE	A	A	L
2	ACETAMIDE	L	L	L
3	ACETIC ACID 5 TO 20 %	37°C	37°C	A
4	ACETIC ACID 50 %	B	B	A
5	ACETIC ACID 50 % BOILING	C	C	C
6	ACETIC ACID 80 %	B	B	A
7	ACETIC ACID 80 % BOILING	C	C	C
8	ACETIC ACID 100 %	C	C	A
9	ACETIC ACID 100 % BOILING	C	C	C
10	ACETIC ANHYDRIDE	C	C	L
11	ACETONE 100%	A	B	A
12	ACTYL CHLORIDE			L
13	ACETYLENE 100%	65°C	65°C	L
14	ACRYLIC ACID			L
15	ACRYLONITRILE	A	A	X
16	AIR-COMPRESSED	A	A	A
17	ALUMINUM ACETATE	37°C	37°C	A
18	ALUMINUM CHLORIDE 5%	55°C	55°C	A
19	ALUMINUM FLUORIDE 5%	A	A	L
20	ALUMINUM HYDROXIDE	A	A	A
21	ALUMINUM NITRATE	65°C	65°C	L
22	ALUMINUM SULFATE (Alum) 10%	C	A	A
23	AMINO ACID	65°C	65°C	
24	AMINOETHANOLAMINE	A	A	L
25	AMMONIA GAS - NOTE-1		C	37°C
26	AMMONIA, ANHYDROUS	37°C	37°C	L
27	ADIPIC ACID	A ¹⁵	A ¹⁵	A
28	AMMONIUM BICARBONATE	A	A	A
29	AMMONIUM BROMIDE 10% NOTE-1	L	L	A
30	AMMONIUM CARBONATE 10%	A	A	A
31	AMMONIUM CHLORIDE 10%	37°C	37°C	A
32	AMMONIUM FLUORIDE 10%	L	L	L
33	AMMONIUM HYDROXIDE 30%	48°C	48°C	L
34	AMMONIUM HYPO SULFITE 10%	L	L	L
35	AMMONIUM OXALATE 10%	L	L	L
36	AMMONIUM NITRATE 5%	37°C	37°C	A
37	AMMONIUM PHOSPHATE	B	B	A
38	AMMONIUM SULFATE 1 - 5%	C	B	A
39	AMMONIUM THIOCYANATE	A	A	X
40	AMYL ALCOHOL	A	A	A
41	ANILINE	B	B	L
42	ANIMAL FATS	A	A	L
43	ARSENIC ACID	C	C	21°C
44	AQUA REGIA	C	C	X
45	ASPHALT	A	A	L

46	BANANA OIL (Amyl Acetate)	A	A	A
47	BARIUM CARBONATE	A	A	A
48	BARIUM CHLORIDE 5%	100°C	100°C	A
49	BARIUM HYDROXIDE	A	A	A
50	BARIUM SULFIDE	L	L	L
51	BEER NOTE-2	C	C	C
52	BEET SUGAR LIQUORS NOTE-2	A	A	L
53	BENZALDEHYDE	L	L	L
54	BENZENE OR BENZOL	A	A	A
55	BENZENE (See-NAPHTHA)	A	A	A
56	BENZOIC ACID 10% NOTE-1	A	A	L
57	BENZYL AMINE	L	L	L
58	BERYLLIUM CARBONATE	L	L	L
59	BISMUTH HYDROXIDE	A	A	A
60	BISMUTH SUB CARBONATE	A	A	A
61	BLACK LIQUOR (SEE SUPHATE LIQUORS)	A	C	C
62	BORAX	A	A	L
63	BORIC ACID	B	A ⁴²	A
64	BROMINE (Dry)	B	B	
65	BROMINE (Wet)	C	C	X
66	BROMO BENZOIC ACID	L	L	
67	BUNKER C	A	A	A
68	BUTADIENE	L	L	L
69	BUTANE	A	A	L
70	BUTYLENE	L	L	L
71	BUTYL ALCOHOL	A	A	A
72	BUTYL ACETATE	A	A	A
73	BUTYL CELLOSOLVE	A	A	L
74	BUTYL CHLORIDE	L	L	L
75	BUTYL STEREATE	A	A	L
76	BUTYRIC ACID	L	L	L
77	CALCIUM ACETATE	L	L	L
78	CALCIUM BISULFITE	A	A	A
79	CALCIUM CARBONATE	A	A	A
80	CALCIUM CHLORIDE	37°C	37°C	A
81	CALCIUM HYDROXIDE 100% NOTE-1	37°C	37°C	L
82	CALCIUM HYPOCHLORITE 5% NOTE-1	C	C	A
83	CALCIUM NITRATE 10%	L	L	L
84	CALCIUM OXALATE	L	L	A
85	CALCIUM SULFATE	B	B	A
86	CANE SUGAR LIQUORS	A	A	A
87	CAPROLACTAM	X	X	A
88	CARBOLIC ACID (PHENOL)	B	B	C
89	CARBON DIOXIDE (Dry)	A	A	A
90	CARBON DYSULFIDE or BISULFIDE	A	A	21°C
91	CARBON MONOXIDE	L	L	L
92	CARBON TETRACHLORIDE -(PURE)	A	A	21°C
93	CARBON TETRACHLORIDE -5 - 10%	A	A	A
94	CARBONATED WATER Note 2	A	A	A
95	CARBONIC ACID 100%	37°C	37°C	A
96	CASTOR OIL Note 2	A	A	A
98	CELLOSOLVE	A	A	L
100	CESIUM CARBONATE	L	L	L
101	CETYL ALCOHOL	A	A	A
103	CHLORINE GAS (Dry)	C	C	X
104	CHLORINE GAS (WET)	C	C	X
105	CHLOROACITIC ACID	C	C	
106	CHLOROBENZENE	A	A	L
107	CHLOROFORM (Dry)	A	A	A

108	CHLOROSULFONIC ACID	C	C	
109	CHARCOAL	L	L	L
110	CHLOROX (SODIUM HYPO CHLORITE TYPE)	B	L	X
111	CHROMIC ACID 10% Note 1	C	C	B
112	CIDER NOTE-2	B	B	L
113	CITRIC ACID 5%	37°C	37°C	A
114	CITRIC ACID 5% @ 150°F	A	A	A
115	CITRIC ACID 15 %	65°C	65°C	A
116	CELLULOSE	L	L	L
118	COD LIVER OIL	A	A	L
119	COFFEE EXTRACT (Hot)	C	A	L
120	COFFEE (Hot)	C	A	L
121	COLA SYRUP (PURE)	A	A	L
122	COLD CREAM	L	L	L
123	COPPER AMMONIUM ACETATE	L	L	L
124	COPPER AMMONIUM HYDROXIDE 5%	L	L	L
125	COPPER CHLORIDE			A
126	COPPER NITRATE	B	B	
127	COPPER SULFATE	60°C	60°C	A
128	CORN OIL NOTE-2	A	A	A
129	COTTONSEED OIL	A	A	A
130	CREOSOTE	100°C	100°C	A
131	CRESYLIC ACID Note 1	100°C	100°C	A
132	CYCLOHEXANE	A	A	A
133	CYCLOHEXANONE	A	A	A
134	DDT SOLUTION	B	B	L
135	DEXTROSE (GLUCOSE)	A	A	A
136	DIACETONE ALCOHOL	A	A	L
137	DIBUTYL PHTHALATE	A	A	L
138	DICHLOROETHANE	A	A	L
139	DICHLOROETHYLENE	A	A	L
140	DIELECTRIC OIL	A	A	L
141	DISEL OIL (Light)	A	A	A
142	DIETHALONAMINE (DEA)	A	A	L
143	DIETHYL CARBONATE	L	L	L
144	DI ETHYLENE GLYCOL	A	A	L
145	DIMETHYL FORMAMIDE (DMF)	A	A	C
146	DIPHENYL OXIDE	A	A	L
147	DOWTHERM	A	A	L
148	DYES	L	L	L
149	EPICHLOROHYDRIN	A	A	
150	ETHANOLAMINE (SEE MONOETHANOLAMINE)	A	A	L
151	ETHERS	A	A	A
152	ETHYL ACETATE	A	A	A
153	ETHYL ALCOHOL	A	A	A
154	ETHYL BENZOATE	L	L	L
155	ETHYL CELLULOSE	L	L	L
156	ETHYL CHLORIDE (DRY)	A	A	
157	ETHYLE ETHER (SEE ETHER)	A	A	A
158	ETHYLENE DIAMINE	A	A	L
159	ETHYLENE DICHLORIDE	A	A	L
160	ETHYLENE GLYCOL	A	A	A
161	ETHYLENE OXIDE	L	L	L
162	FATTY ACID	37°C	37°C	A
163	FERRIC CHLORIDE 1%	C	C	93°C
164	FERRIC CHLORIDE>1%	C	C	C
165	FERRIC CYANIDE			L
166	FERRIC HYDROXIDE	A	A	A
167	FERRIC NITRATE	B	B	

168	FERRIC SULFATE 1 TO 5%	A	A	L
169	FISH OIL	A	A	L
170	FLUOBORIC ACID	C	C	
171	FLUOSILICIC ACID	C	B	
172	FORMALDEHYDE (COLD) 10%	37°C	37°C	21°C
173	FORMALDEHYDE (HOT) 10%	A	A	A
174	FORMALIN (40% FORMALDEHYDE)	21°C	21°C	A
175	FORMIC ACID (dilute)	37°C	37°C	37°C
176	FREON 12	93°C	93°C	A
177	FREON 22	93°C	93°C	A
178	FRUIT JUICES	A	A	L
179	FUEL OIL	A	A	A
180	FURFURAL	A	A	L
181	GAS (NATURAL)	A	A	A
182	GASOLINE (SOUR) (40% H2S+ 5% CO2)	A	A	A
183	GASOLINE (MOTOR)	A	A	A
184	GASOLINE (AVIATION)	A	A	A
185	GELETIN Note 2	A	A	L
186	GLUCOSE (SEE DEXTROSE)	A	A	A
187	GLUE	A	A	L
188	GLYCERIN OR GLYCEROL	A	A	A
189	GLYCOL MONOETHER	A	A	A
191	GREASE	A	A	L
192	GUM ARABIC	A	A	L
193	HONEY	A	A	A
194	HELIUM	A	A	A
195	HEXANE	A	A	A
196	HYDRAULIC OIL (PETROLEUM)	A	A	L
197	HYDRAULIC OIL (PHOSPHATE ESTER)	A	A	L
198	HYDRAZINE			L
199	HYDROBROMIC ACID 10%	C	C	A
200	HYDROCHLORIC ACID (Muriatic Acid) 5%	C	C	37°C
201	HYDROCYNIC ACID 5%	C	C	L
202	HYDROFLURIC ACID 10%	21°C	21°C	A
203	HYDRAOFLUOSILICIC ACID	C	B	
204	HYDROGEN GAS (COLD)	A	A	L
205	HYDROGEN GAS (HOT)	A	A	L
206	HYDROGEN PEROXIDE 90%	C	C	A ¹⁷
207	HYDROGEN SULFIDE (DRY)	A	A	L
208	HYDROGEN SULFIDE (WET)	A	A	L
209	HYDROQUINONE	A	A	L
210	HYPOCHLOROUS ACID 10%	B	B	L
212	INSULATING OIL	A	A	L
213	ION (SEE FERRIC)			
214	ISOTANE (2,2,4 Trimethyl Pentane)	A	A	L
215	ISOPROPYL ACETATE	L	L	L
216	ISOPROPYL ALCOHOL (Isopropanol)	A	A	A
217	KEROSENE	A	A	A
218	KETCHUP	A	A	L
219	LACTIC ACID Note1	A ¹⁸	A ¹⁸	A
220	LACQUER SOLVENTS	A	A	A
221	LARD OIL	A	A	A
222	LATEX (NATURAL) Note1	A	A	L
223	LEAD ACETATE	A	A	L
224	LIME -SULFUR	B	B	
225	LIMNOLEIC ACID (SEE FATTY ACID)	37°C	37°C	A
226	LINSEED OIL	A	A	L
227	LITHIUM BROMIDE	93°C	93°C	L

228	LITHIUM CARBONATE	A	A	A
229	LITHIUM CHLORIDE	93°C	93°C	L
230	LITHIUM HYDROXIDE	68°C	68°C	C
231	LUBE OIL (Petroleum)	A	A	A
232	LYE (SEE SODIUM HYDROXIDE)	68	68	C
233	MAGNESIUM CHLORIDE	B	A	A
234	MAGNESIUM HYDROXIDE	A	A	A
235	MAGNESIUM NITRATE	B	B	
236	MAGNESIUM OXIDE	A	A	A
237	MAGNESIUM SULFATE	A	A	
238	MALEIC ACID	B	B	
239	MAYONNAISE	A	A	L
240	MELAMINE RESINS	A	A	A
241	MEURCURIC CHLORIDE 10%	A	A	L
242	MERCUROUS NITRATE	L	L	L
243	MERCURY	A	A	A
244	METHANE	A	A	A
245	METHYL ALCOHOL (METHANOL)	A	A	A
246	METHYL ACETATE	L	L	L
247	METHYL CELLOSOLVE	A	A	L
248	METHYL CHLORIDE (WET)	A	A	A
249	METHYL ETHYL KETONE (MEK)	A	A	A
250	METHYLENE CHLORIDE	A	A	A
251	METHYL METHACRYLATE	A	A	A
252	MONOETHENOLAMINE (MEA)	A	A	L
253	MILK FRESH OR SOUR, HOT OR COLD NOTE-2	A	A	A
254	MINERAL OILS NOTE-2	A	A	L
255	MOLASSES NOTE-2	A	A	A
256	MURIATIC ACID (SEE HYDRAULIC ACID)	C	C	71°C
257	MUSTARD	A	A	L
258	NAPHTHA, PETROLIUM ETHER	A	A	A
259	NAPHTHALENE	A	A	L
260	NICKEL CHLORIDE	37°C	37°C	21°C
261	NICKEL HYDROXIDE	A	A	A
262	NICKEL SULFATE	37°C	37°C	21°C
263	NITRIC ACID 5 TO 10%	21°C	21°C	98°C
264	NITRIC ACID 20% NOTE-1	C	C	
265	NITRIC ACID 50%	C	C	X
266	NITRIC ACID (FUMING)	C	C	C
267	NITROBENZENE 1 TO 10%	C	C	
268	NITROGEN GAS	A	A	A
269	NITROUS OXIDE	B	B	L
270	OIL (CRUDE)	A	A	A
271	OLEIC ACID	C	B	A
272	OLEUM (Fuming Sulfuric Acid)	C	C	C
273	OLIVE OIL	A	A	L
274	OXALIC ACID (HOT) 10%	37°C	37°C	100°C
275	OXALIC ACID (wet) 10%	C	B	100°C
276	OXYGEN (COLD)	L	L	L
277	OXYGEN (HOT)	C	C	X
278	PALMITIC ACID	L	L	L
279	PALM OIL	A	A	L
280	PARADICHLOROBENZENE	L	L	L
281	PARAFFIN, PETROLATUM, COSMOLINE	L	L	L
282	PENTANE	A	A	A
283	PERCHLOROETHYLENE (DRY)	A	A	100°C
284	PETROLIUM (SEE PARAFINE)	L	L	L
285	PETROLIUMEATHER	A	A	A
286	PETROLIUM OILS (REFINED)	A	A	A

287	PETROLIUM OILS (SOUR)	A	A	A
288	PHENOL (SEE CARBOLIC ACID)	B	B	C
289	PHENOL ETHER	L	L	L
290	PHENOL FORMALDEHYDE RESINS	A	A	L
291	PHOSPHATE ESTERS	L	L	L
292	PHOSPHORIC ACID 1%	37°C	37°C	A
293	PHOSPHORIC ACID 5%	37°C	37°C	100°C
294	PHOSPHORIC ACID 10%	21°C	21°C	A
295	PHOSPHORIC ACID 50%	C	C	65°C
296	PHOSPHORIC ACID 80%	C	C	X
298	PICRIC ACID	C	C	X
299	PINE GUM, PINE OIL	A	A	L
	PLATING SOLUTIONS			
301	ARSENIC	65°C	65°C	L
302	BRASS/CYANIDE	60°C	60°C	L
303	BRONZE / CYNIDE	21°C	21°C	L
304	CADMIUM / CYNIDE	60°C	60°C	L
305	COPPER / CYNIDE	60°C	60°C	L
307	GOLD / CYNIDE	60°C	60°C	L
308	GOLD / FLUOBORATE	L	L	L
309	IRON / CHLORIDE	C	C	L
310	IRON / SULFATE	C	C	L
311	LEAD ALKALI			L
312	LEAD / FLUOBORATE	C	C	L
313	NICKEL / BRIGHT / CHLORIDE	A	A	L
314	NICKEL / DULL /CHLORIDE	37°C	37°C	L
315	NICKEL / DULL / FLUOBORATE	B	B	L
316	SILVER	25°C	25°C	L
317	TIN / ACID	L	L	L
318	TIN / FLUOBORATE	L	L	L
319	TIN / CYNIDE	60°C	60°C	L
320	ZINK FLUOBORATE	L	L	L
321	POTASSIUM ACETATE 10%	A	A	L
322	POTASSIUM BISULFATE 10%	L	L	L
323	POTASSIUM BROMIDE	B	B	
324	POTASSIUM CARBONATE 10%	L	L	L
325	POTASSIUM CHLORIDE 5%	A	A	A
326	POTASSIUM CHROMATE 10% NOTE-1			L
327	POTASSIUM CYNIDE 5% NOTE-1	A	A	L
328	POTASSIUM FERROCYNIDE 10%	A	A	L
329	POTASSIUM HYDROXIDE (CAUSTIC POTASH)			93°C
330	POTASSIUM NITRATE 5%	A	A	A
331	POTASSIUM PERMANGANATE 5 %	B	B	X
332	POTASSIUM SULFATE 5%	A	A	A
333	PRESTONE (SEE ETHYLENE GLYCOL)	A	A	A
334	PROPEN	A	A	A
335	PROPIONAMIDE	L	L	L
336	PROPIONIC ACID	A	A	L
337	PROPYLENE GLYCOL	A	A	A
338	PROPYLELE OXIDE	A	A	L
339	PYRIDINE	L	L	L
340	RAPESEED OIL (COLZA OIL)	L	L	L
341	SALICYLIC ACID	L	L	L
342	SEA WATER	A	A	A
343	SHELLAC (BLEACHED)	A	A	L
344	SHELLAC (ORANGE)	A	A	L
345	SILICON OIL	L	L	L
346	SILVER NITRATE	A	A	L

347	SOAP (STEARATES)	93°C	93°C	A
348	SODA ASH (SODIUM CARBONATE)	A	A	21°C
349	SODIUM ACETATE	A	A	L
350	SODIUM BICARBONATE	A	A	A
351	SODIUM BISULFATE	A	A	A
352	SODIUM BORATE	A	A	L
353	SODIUM CARBONATE (SODA ASH)	A	A	21°C
354	SODIUM CHLORATE	C	C	C
355	SODIUM CHLORIDE 10%	A	A	A
356	SODIUM CHLORITE 0.2%			L
357	SODIUM CYANIDE	A	A	
358	SODIUM DICHROMATE 10%	C	C	X
359	SODIUM FLUORIDE 5%	A	A	L
360	SODIUM HYDROXIDE (CAUSTIC SODA) 20%	68°C	68°C	C
361	SODIUM HYPOCHLORITE 5%	C	C	X
362	SODIUM METAPHOSPHATE	A	A	L
363	SODIUM NITRATE 5%	A	A	A
364	SODIUM PERBORATE 1%	L	L	L
365	SODIUM PEROXIDE	C	C	X
366	SODIUM PHOSPHATE	A	A	L
367	SODIUM POLYSULFIDE	A ²²	A ²²	L
368	SODIUM SILICATE	A	A	L
369	SODIUM SULFATE	A	A	A
370	SODIUM SULFIDE (SATURATED)	B	B	L
371	SODIUM THIOCYANATE	A	A	L
372	SODIUM THIOSULFATE	A	A	L
373	SODIUM TRIPHOSPHATE			L
374	SOYABEAN OIL	A	A	A
375	STANNIC CHLORIDE 5%	B	B	L
376	STANNOUS CHLORIDE 5%	B	B	L
377	STARCH	A	A	A
378	STEAM (CONTINUOUS)	105°C	105°C	A
379	STEARATES (SEE SOAP)	93°C	93°C	A
380	STEARIC ACID	37°C	37°C	A
381	STODDARD SOLVENT	A	A	A
382	STRONTIUM CARBONATE	L	L	L
383	STYRENE (LIQUID)	A	A	A
384	SUGER LIQUID -Note 2	A	A	A
385	SULFAMIC ACID 10%			L
386	SULFATE LIQUORS (PAPER MAKING)	A	C	C
388	SULFER CHLORIDE			L
389	SULFUR DIOXIDE (DRY)	C	C	A
390	SULFUR TRIOXIDE (DRY)	C	C	A
391	SULFURIC ACID 5%	37°C	37°C	65°C
392	SULFURIC ACID 5% (BOILING)	C	C	C
393	SULFURIC ACID 10%	C	C	A
394	SULFURIC ACID 10% (BOILING)	C	C	C
395	SULFURIC ACID 50%	C	C	A
396	SULFURIC ACID 50% (BOILING)	C	C	C
397	SULFURIC (FUMING) - (See OLEUM)	C	C	C
398	SULFUROUS ACID NOTE-1	B ²³	B ²³	A
399	TALLOW (MOLTEN)	X	X	X
400	TANNIC ACID 10%	60°C	60°C	A
401	TAR AND TAR OIL	A	A	L
402	TARTARIC ACID	A	A	L
404	TETRAETHYL LEAD	L	L	L
405	TETRAHYDROFURAN	A	A	C
406	TOLUENE (TOLUOL)	A	A	A

407	TRANSFORMER OIL (SEE DIELECTRIC OIL)	A	A	L
408	TRICHLOROETHYLENE (DRY)	A	A	A
409	TRITHANOLAMINE NOTE-1	A	A	L
410	TRIPHENYLAMINE	L	L	L
411	TRISODIUM PHOSPHATE	B	B	L
412	TUNG OIL (CHINA WOOD OIL)	L	L	L
413	TURPENTINE	A	A	A
414	UREA FORMALDEHYDE RESINS	A	A	
415	VANILLA EXTRACT	A	A	L
416	VARNISH	A	A	A
417	VEGETABLE OILS	A	A	A
418	VINEGAR (5% APP. 7)	37°C	37°C	A
419	VINYL CHLORIDE	A	A	A
420	WATER (Fresh) (Ph APP.7)	105°C	98°C	A
421	WATER (ALKALINE) - Ph> 8	L	L	L
422	WATER (ACID) - (Ph< 6.5)	L	L	L
423	WATER SALT (SEE SEA WATER)	A	A	A
424	WAXES (FURNITURE or FLOOR)	A	A	L
425	WHALE OIL	L	L	L
426	WHITE WATER	C	C	C
427	WHISKY AND WINES NOTE-2	C	C	C
428	XYLENE OR XYLOL	A	A	A
429	ZINC BROMIDE	B ²⁴	B ²⁴	A
430	ZINC CHLORIDE 3%	B ²⁴	B ²⁴	A
431	ZINC CYANIDE NOTE-1	A	A	C
432	ZINC HYDROXIDE	L	L	L
433	ZINC SULFATE NOTE-1	B ²⁴	B ²⁴	A

Remark	Description
A	Satisfactory to maximum temp. suggested
B	Fair to maximum temp. suggested
C	Not recommended
L	No data, likely to be compatible
X	No data, not likely to be compatible
Temp	In Degree Celcius

NOTES	Description
1	Unless specifically indicated compatibility ratings for this fluid are given for room temperature. Data on higher temperature operation is lacking, but there is reason to expect deteriorious effect.
2	When potable or food products are filtered, the following filter media only (of disposable cartridge type) may be used: cellulose melamine (max. temp. - 100° C) cellulose - phenolic (max. temp. - 100° C)

