

Xyfluor® Chemical Compatibility

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Test: Full immersion, Room Temperature, 3 days

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CHEMICAL	RATING	CHEMICAL	RATING	
butadine	A/B	cement	A	
butane	A/B	chloric acid	A	
buttermilk	A	chlorinate solvents	dry wet	
butyl acetate	A/B			B
butyl alcohol	A			B
butylamine	A/B	chlorine dioxide	N	
butylene	A/B	chlorine,	dry wet	
butylene glycol	A			N
butyl ether	B			N
butyric acid	A	chloroacetic acid	B	
calcium acetate	A	chloroacetone	B	
calcium carbonate	A	chlorobenzene	A	
calcium chlorate	A	chloroform	B	
calcium cyanide	A	chlorosulfonic acid	A	
calcium hydrogen sulfite	A	chocolate	A	
calcium hydrosulfide	A	chromic acid	N	
calcium hydroxide, aqueous	A	chromic oxide	A	
calcium hypochlorite	A	chromium potassium sulfate	A	
calcium liquors	A	citric acid	A	
calcium magnesium chloride	A	clay slurry	A	
calcium nitrate	A	coal-tar	A	
calcium phosphate;	A	coal-tar distillate	A	
dibasic, monobasic, tribasic		coconut oil	A	
calcium sulfate, aqueous	A	cod-liver oil	A	
carbamate	A	copper acetate	N	
carbon dioxide,	dry wet	copper ammonium acetate	N	
		copper chloride	N	
		copper cyanide	N	
carbon disulfide	A	copper nitrate	N	
carbon monoxide	A	copper sulfate, < 50%	N	
carbon tetrachloride	B	corn oil	A	
carbonic acid	A	cottonseed oil	A	
castor oil	A	creosote, coal-tar	A	
catsup	A	cresol	A	

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crude oil - sour	A	ethane	A
cumene	A	ethanethiol	A
cutting oil	A	ethanolamine	A
cyanogen	A	ethyl acetate	A
cyclohexane	A/B	ethyl alcohol	A
decahydronaphthalene	A	ethylamine	B
detergent, H2O solution	A	ethylbenzene	A
diacetone alcohol	A	ethylene	A
diallyl phthalate	A	ethylene dibromide	B
dibromoethyl benzene	N	ethylene dichloride	B
dibutylamine	A/B	ethylene glycol	A
dibutyl cellosolve adipate	A	ethylene oxide	B
dibutyl phthalate	A	ethyl ether	B
dichlorobenzene	B	ethyle formate	A
diesel oil	A	fatty acids	A
diethanolamine	A	ferric sulfate, aqueous	A
diethylamine	B	ferrous sulfate, aqueous	A
diethyl carbonate	A	fluorine, gas, dry < 300°F	D
diethylene glycol	A	fluosilicic acid	N
diethylenetriamine	A	formaldehyde	A
diethyl phthalate	A	formic acid < 160°F	A
diisobutyl ketone	A	Freon 11®	D
dimethylamine	A	Freon 113®	D
dimethyl formamide	A	Freon 114®	D
dimethyl phthalate	A	Freon 12®	D
dimethyl terephthalate	A	Freon 22®	D
dinitrochlorobenzene	A	Freon 502®	D
dioctyl phthalate	A	fruit juices	A
diphenyl	A	fuel oil,	
Dowtherm® (DOW chemical)			#1, #2 A
	A		#5 light, #5 heavy, #6 A
	E	fumaric acid	A
209	A	furfural	B
epichlorohydrin	A	gas oil	A

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gasoline	A/B	isopropyl acetate	A/B
gelatin	A	isopropyl alcohol	A
glucose	A	isopropyl ether	B
glycerol	A	jet fuel	A
glycine	A	kerosene	A
helium	A	lacquer	A
heptane	A/B	lactic acid, cold hot	
hexyl alcohol	A		A
hydraulic oil, petroleum based	A		A
hydrazine	A	lard	A
hydrobromic acid	A	latex	A
hydrochloric acid, concentrated diluted < 20%, well service 20% - 30%, well service	A A A A	ligroin	A/B
		lime slurry	A
		linoleic acid	A
		linseed oil	A
		liquefied petroleum gas	B
hydrocyanic acid	A	lubricating oil, petroleum base	A
hydrofluoric acid, <i>Poor compatibility with strong acids.</i> cold, < 65% cold, > 65% hot, < 65% hot, > 65%	 C C N N	magnesium chloride	A
		magnesium hydroxide	A
		magnesium sulfate	A
		maleic acid	A
		maleic anhydride	A
		malic acid	A
hydrogen	A	manganous chloride	A
hydrogen chloride, gas, dry	A	melamine resin	A
hydrogen fluoride, anhydrous	N	mercuric chloride	A
hydrogen peroxide	A	mercury	A
hydrogen sulfide, dry, cold dry, hot wet, cold wet, hot	 A A A A	mesityl oxide	A
		methane	B
		methyl acetate	A/B
		methyl alcohol	A
		methyl benzoate	A
hypochlorous acid	A	methyl bromide	B
isobutane	A/B	methyl chloride	B

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methylene bromide	B	paraffin wax, molten	A
methylene chloride	B	peanut oil, vegetable	A
methyl ethyl ketone	A/B	pectin, liquor	A
methyl formate	A	pentane	A/B
methyl isobutyl ketone	A/B	perchloric acid	A
methyl methacrylate	A	perchloroethylene	B
methyl propionate	A	phenol, 10%	A
methyl tertiary butyl ether	B	phenylacetic acid	A
milk	A	phosphoric acid, concentrated diluted	A
mineral oil	A		A
molasses	A		A
naphtha, crude	B	phthalic anhydride	A
naphthalene	A	picoline, alpha	A
natural gas, sour	B	picric acid, H ₂ O solution molten	A
nickel chloride	A		A
nickel sulfate	A		A
nitric acid, <i>Poor compatibility with strong acids.</i> diluted concentrated red fuming	A A N	pine oil	A
		polyethylene glycol	A
		polypropylene slurry	A
		polyvinyl acetate emulsion	A
		polyvinyl alcohol	A
nitrobenzene	A	potassium bromide	A
nitrogen gas	A	potassium carbonate	A
nitromethane	A	potassium chlorate	A
oleic acid	A	potassium chloride	A
olive oil	A	potassium cyanide	A
oxalic acid	A	potassium dichromate	A
oxygen, gas -10 °F to 200 °F 200 °F to 400 °F	A	potassium hydroxide, diluted concentrated	A
	A		A
	A		A
ozone	A	potassium nitrate	A
paint, oil based	A	potassium permanganate	A
palm oil	A	potassium phosphate, dibasic, monobasic, tribasic	A
palmitic acid	A		

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paper stock	A	potassium sulfate	A
propane	A/B	sodium silicate	A
propionic acid, < 150°F	A	sodium sulfate	A
propyl acetate	A/B	sodium sulfide	A
propyl alcohol	A	sodium sulfite	A
propylene	A/B	sodium thiocyanate	A
propylene oxide	B	sodium thiosulfate	A
pulp stock	A	soybean oil	A
pyridine	A	starch	A
quenching oil	A	steam, < 350°F	A
rapeseed oil	A	steam, > 350°F-500°F	A
red liquor	A	stearic acid	A
refrigerator oil	A	styrene	A
sewage	A	sulfite waste liquor	A
silver nitrate	A	sulfur, molten in water	A
soap solutions	A		A
soda ash	A		A
sodium acetate	A	sulfur chloride	A
sodium bicarbonate	A	sulfur dioxide, wet dry	A
sodium bisulfate	A		A
sodium bisulfite, < 200°F	A		sulfuric acid, <i>Poor compatibility with strong acids.</i> diluted concentrated fuming
sodium carbonate > 200°F	A	A	
sodium chloride > 200°F	A	D	
sodium cyanide, aqueous	A	sulfurous acid	A
sodium dichromate	A	tall oil, < 450°F	A
sodium dithionite	A		A
sodium hydroxide, diluted	A	tallow	A
sodium hypochlorite, 20%	A	tartaric acid, aqueous	A
sodium nitrate	A	terephthalic acid	A
sodium peroxide	A	tetrachloroethane	B
sodium phosphate,		tetrahydrofuran	B

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dibasic, monobasic, tribasic	A	thiols	A
titanium dioxide	A	vinylidene chloride	B
titanium tetrachloride	N	water, chlorinated fresh heavy salt or sea	A A A A
toluene	A		
trichloroethane	B		
trichloroethylene	B		
tricresyl phosphate	A		
triethanolamine	A	whiskey	A
triethylamine	A/B	white liquor	A
tung oil	A	wine	A
turpentine (oil)	A	wood pulp stock	A
urea	A	wort	A
urea-formaldehyde resin	A	xylene	A
varnish	A	yeast	A
vinegar	A	zinc chloride	A
vinyl acetate	A/B	zinc nitrate	A
vinyl chloride	B	zinc sulfate	A