SHARPSHELL INDUSTRIAL SOLUTIONS

S TAC
Industrial Coatings

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Acetaldehyde	100 %	N.R.	N.R.		Acetic aldehyde
Acetic acid	10 %	90	100	0	Acetic acid glacial
Acetic acid	100 %	N.R.	25		Acetic acid glacial
Acetic acid	15 %	90	100	0	Acetic acid glacial
Acetic acid	25 %	90	100	0	Acetic acid glacial
Acetic acid	40 %	80	90		Acetic acid glacial
Acetic acid	50 %	70	80		Acetic acid glacial
Acetic acid	75 %	60	65		Acetic acid glacial
Acetic acid	80 %	45	45		Acetic acid glacial
Acetic acid	85 %	45	45		Acetic acid glacial
Acetic anhydride	100 %	N.R.	-		
Acetone	05 %	80	80		Dimethyl ketone
Acetone	10 %	-	80		Dimethyl ketone
Acetone	100 %	N.R.	N.R.		Dimethyl ketone
Acetone : MEK : MiBK	2:2:2	-	40		Acetone : Methylethyl ketone : Methylisobutyl keto
Acetonitril	all	N.R.	N.R.		
Acetyl chloride	100 %	N.R.	N.R.		
Acrylamide	50 %	-	35	1	
Acrylic acid	100 %	N.R.	20		Acroleic acid
Acrylic acid	25 %	45	45		
Acrylic Latex	all	80	80		
Acrylonitrile	100 %	N.R.	N.R.		
Adipic acid	all	80	80		
Adipinonitrile	all	50	50		Dicyanobutane (4,1)
Alfol 810	100 %	60	100		
Alkylaminopolyglycolether	all	25	25		
Alkylaryl ammonium salt	all	80	80		
Alkylaryl sulfonate salts	all	60	60		
Alkylaryl sulfonic acid	all	60	60		
Alkylbenzene ammonium salt	all	80	80		
Alkylbenzene sulfonic acid	all	60	60		
Alkylbenzene sulphonic acid	all	60	60		
Alkylnaphtalene sulfonic acid	all	60	60		
Alkylnaphtolopolyglycolether	all	60	60		
Alkylolakoxylate	all	25	25		
Alkyloletherphosphate	all	60	60		
Alkylolethersulfate	all	60	60		
Alkylolsulfates and salts	all	60	60		
Alkylphenolpolyglycolether	all	25	25		
Alkylphenolpolyglycolethersulfates and salts	all	60	60		
Alkylsulfonate	all	60	60		
Alkylsulfonic acid and sulfonates	all	60	60		
Allyl alcohol	100 %	N.R.	N.R.		
Allyl chloride	all	N.R.	-		
Alpha methylstyrene	100 %	25	45		
Alum	all	90	100	0	
Aluminium chloride	all	90	100	0	
Aluminium chlorohydrate	all	90	100	0	
Aluminium chlorohydroxide	50 %	90	100	0	
Aluminium citrate	all	90	100	0	
Aluminium fluoride	all	45	45	2	
Aluminium hydroxide	100 %	70	80	2	Aluminium trihydrate
Aluminium nitrate	all	90	100	0	
Aluminium potassium sulphate	all	90	100	0	Potassium aluminium sulphate
Aluminium sodium sulphate	all	90	100	0	
Aluminium sulphate	all	90	100	0	

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Aluminium sulphate/Acetic acid	all	80	100	9	
Amino acids	all	40	40		
Aminosulphonic acid	all	80	80		
Ammonia (dry gas)	100 %	40	40		
Ammonia (wet gas)	100 %	40	40		
Ammonia, liquified gas	100 %	N.R.	N.R.		
Ammonium acetate	all	45	45		
Ammonium benzoate	all	80	80		
Ammonium bicarbonate	4 %	70	70		Ammonium acid carbonate
Ammonium bicarbonate	sat'd	70	70		Ammonium acid carbonate
Ammonium bifluoride	all	40	65		Ammonium acid fluoride
Ammonium bisulphide	all	25	25		
Ammonium bisulphite black liquor		80	80		
Ammonium bromate	all	90	100	0	
Ammonium bromide	all	90	100	0	
Ammonium carbonate	all	65	65	2	
Ammonium chloride	all	90	100	0	
Ammonium citrate	all	65	70		
Ammonium fluoride	all	65	65	2	
Ammonium hydroxide	01 %	80	80	2	Aqueous ammonia
Ammonium hydroxide	05 %	70	75	2	Aqueous ammonia
Ammonium hydroxide	10 %	60	65	2	Aqueous ammonia
Ammonium hydroxide	41 %	60	65	2	Aqueous ammonia
Ammonium hydroxide	58 %	40	40	2	Aqueous ammonia
Ammonium hydroxide	62 %	40	40	2	Aqueous ammonia
Ammonium lauryl sulphate	all	60	60		
Ammonium lignosulphonate	50 %	-	80		
Ammonium molybdate	all	40	40		
Ammonium nitrate	all	90	100	0	Norway salpeter
Ammonium oxalate	all	40	40		
Ammonium pentaborate	all	40	40		
Ammonium persulphate	all	80	80		
Ammonium phosphate, dibasic	all	90	100	0	Ammonium hydrogen phosphate
Ammonium phosphate, monobasic	all	90	100	0	Ammonium acid phosphate
Ammonium polysulphide	all	45	65		
Ammonium sulphate	all	90	100	0	
Ammonium sulphide	all	45	50		
Ammonium sulphite	all	45	65		
Ammonium thiocyanate	20 %	90	100	0	Ammonium sulphocyanate
Ammonium thiocyanate	sat'd	45	45		Ammonium sulphocyanate
Ammonium thioglycolate	all	60	60		
Ammonium thiosulfate	all	60	60		
Amyl acetate (n-)	all	25	50		
Amyl alcohol (sec-)	100 %	50	65		pentanol (sec)
Amyl alcohol (tert-)	100 %	50	65		pentanol (tert)
Amyl chloride	all	N.R.	50		Chloropentane (1-)
Anaerobic sewage	-	50	50		
Aniline	100 %	N.R.	40		Aminobenzene
Aniline hydrochloride	all	80	80		Aniline chloride
Aniline sulphate	all	90	100	0	
Antimony pentachloride	all	40	40		Antimony perchloride
Antimony trichloride	all	80	80		Antimonous chloride
Aqua regia (HCl:HNO3 = 3 : 1)	all	N.R.	N.R.		
Arsenic acid	all	80	80		Orthoarsenic acid
Arsenious acid	all	80	80		
Barium acetate	all	90	100	0	

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Barium bromide	all	90	100	0	
Barium carbonate	all	90	100	0	
Barium chloride	all	90	100	0	
Barium cyanide	all	65	65	2	
Barium hydroxide	sat'd	65	65	2	
Barium nitrate	all	90	100	0	
Barium sulphate	all	90	100	0	Barytes
Barium sulphide	all	60	80		Black ash
Beer		45	-	9	
Beer sugar liquor		80	80		
Benzaldehyde	100 %	N.R.	20		Benzoic aldehyde
Benzene	100 %	N.R.	35		
Benzene	vapour	N.R.	35		
Benzene sulfonic acid	25	60	95		
Benzene sulfonic acid	50	60	95		
Benzene sulphonic acid	25 %	60	95		
Benzene sulphonic acid	50 %	60	95	0	
Benzene sulphonic acid	sat'd	60	95	0	
Benzene: ethyl benzene	all	N.R.	35		
Benzoic acid	all	90	100	0	Benzenecarboxylic acid
Benzoquinones	100 %	65	80		Quinones
Benzoyl benzoic acid (2-)	all	90	100	0	Benzoyl benzoic acid (o-)
Benzoyl benzoic acid (4-)	all	90	100	0	
Benzyl alcohol	all	25	45		Hydroxy toluene
Benzyl chloride	100 %	N.R.	25		
Benzyl chloride	all	N.R.	25		
Benzyltrimethylammonium chloride	all	60	60		
Black liquor (pulp mill)	all	80	80		
Bleach, Calcium hypochlorite, pH > 11, active c		65	50	2,3,4,5,9	
Bleach, Chlorine dioxide, wet	sat'd	50	50	5,9	
Bleach, Chlorine water	sat'd	60	80		
Bleach, Chlorite	10 %	65	65	10	
Bleach, Hydrosulphite		40	40	11	
Bleach, Lithium hypochlorite, pH > 11, active c		65	50	2,3,4,5,9	
Bleach, Peroxide	diluted	90	100	0,4,12	
Bleach, Sodium hypochlorite, pH > 11, active c		65	50	2,3,4,5,9	
Bleach, textone	all	90	100	0,13	
Borax	all	90	100	0	Sodium tetraborate
Boric acid	all	90	100	0	
Brine chlorinated	al	90	100	0	
Brine, salt	all	90	100	0	
Bromine gas, dry		40	40		
Bromine gas, wet		40	40		
Bromine liquid	100 %	N.R.	N.R.		
Bromine water	5 %	80	80		
Butanediol (1,2-)	all	80	80		
Butanediol (1,3-)	all	80	80		
Butanediol (1,4-)	all	80	80		
Butanediol (2,3-)	all	80	80		
Butanol (n-)	05 %	80	80		Butyl alcohol (n-)
Butanol (n-)	100 %	50	60		Butyl alcohol (n-)
Butanol (sec-)	05 %	80	80		Butyl alcohol (sec-)
Butanol (sec-)	100 %	50	60		Butyl alcohol (sec-)
Butanol (tert-)	100 %	50	60		Butyl alcohol (tert-)
Butanol (tert-)	20 %	80	80		Butyl alcohol (tert-)
Butoxydiethylene glycol	100 %	35	50		Butoxyethoxyethanol (2,2-)

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Butoxyethanol (2-)	100 %	35	35		Butyl cellosolve
Butoxyethoxyethanol (2,2-)	100 %	35	50		
Butyl acetate (n-)	100 %	N.R.	25		
Butyl acetate (sec)	100 %	N.R.	25		
Butyl acetate (tert)	100 %	N.R.	25		
Butyl acrylate	100 %	N.R.	25		
Butyl amine (n-)	100 %	N.R.	N.R.		Aminobutane (1-)
Butyl amine (n-)	40 %	N.R.	25		Aminobutane (1-)
Butyl amine (sec-)	100 %	N.R.	N.R.		
Butyl amine (sec-)	40 %	N.R.	25		
Butyl amine (tert-)	100 %	N.R.	N.R.		
Butyl amine (tert-)	40 %	N.R.	25		
Butyl benzoate	100 %	N.R.	25		
Butyl benzyl phthalate	100 %	80	100		
Butyl carbitol	100 %	35	50		Butoxydiethylene glycol
Butyl cellosolve	100 %	N.R.	50		Butoxyethanol (2-)
Butyl diglycol	100 %	35	50		
Butyl stearate (5% in mineral spirits)		25	25		
Butylaldehyde	100 %	N.R.	35		Butaldehyde
Butylene glycol	100 %	80	80		Butanediol (1,3)
Butylene oxide	100 %	N.R.	N.R.		Butyl oxide (2,3)
Butyric acid	100 %	25	40		Butanoic acid
Butyric acid	50 %	65	65		Butanoic acid
Butyric acid	85 %	40	50		Butanoic acid
Cadmium chloride	all	80	90	0	
Calcium bisulphite	all	80	80		
Calcium bromide	all	90	100	0	
Calcium carbonate	sat'd	90	100	0	
Calcium chlorate	all	90	100	0	
Calcium chloride	all	90	100	0	
Calcium hydroxide	all	80	80		Calcium hydrate
Calcium hypochlorite, pH > 11, active chlorine	all	65	50	2,3,4,5,9	Bleach, Calcium hypochlorite, pH > 11, active chlori
Calcium nitrate	all	90	100	0	Calcite
Calcium sulphate	all	90	100	0	
Calcium sulphite	all	80	80		
Cane sugar liquor & sweet water	all	80	80		
Capric acid	100 %	90	100	0	Decanoic acid
Caprolactam	50 %	40	40		Aminocaproic lactam
Caprylic acid	all	90	100	0	Octanoic acid
Carbolic acid	> 5 %	N.R.	N.R.		Benzophenol
Carbolic acid	1 %	25	50		Benzophenol
Carbolic acid	2 %	N.R.	25		Benzophenol
Carbolic acid	5 %	N.R.	25		Benzophenol
Carbon dioxide gas, dry		100	200	0	
Carbon disulphide	100 %	N.R.	N.R.		Carbon bisulphide
Carbon monoxide gas, dry		100	200	0	
Carbon tetrachloride	100 %	25	65		Perchloromethane
Carbonic acid	all	80	80		
CARBOWAX, polyethylene glycol	100 %	80	80		
Carboxy ethylcellulose	10 %	70	70		
Carboxy methylcellulose	all	70	70		
Cashew nut oil	100 %	80	90	0	
Castor oil	100 %	90	100	0	Ricinus oil
Cereclor 42, S-52	all	80	80		
Chloric acid	conc.	25	25		
Chlorinated lime	all	60	60		

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Chlorinated waxes	all	80	80		
Chlorine	liquid	N.R.	N.R.		Chlorine water
Chlorine dioxide, dry	all	50	50	5,9	
Chlorine dioxide, wet	sat'd	50	50	5, 9	
Chlorine gas, wet	100 %	90	100	0,6,7	
Chlorine gas, dry	100 %	90	100	0,6,7	
Chlorine water	sat'd	80	100	0	Chlorine gas
Chlorine/Hydrochloric acid, wet		N.R.	N.R.		
Chloroacetic acid	01 %	50	50		Chloracetic acid
Chloroacetic acid	25 %	50	50		Chloracetic acid
Chloroacetic acid	50 %	50	50		Chloracetic acid
Chloroacetic acid	80 %	N.R.	N.R.		Chloracetic acid
Chlorobenzene	100 %	N.R.	35		Monochlorobenzene
Chlorocholinchloride	75 %	70	70		
Chloroethylene (1,1,1-)	100 %	N.R.	N.R.		Chloroethylene (1,1,1-)
Chloroform	100 %	N.R.	N.R.		Trichloromethane
Chloroparaffin	100 %	80	80		
Chloropropionic acid (-2)	50 %	25	25		
Chloropropionic acid (-2)	all	25	25		
Chloropropionic acid (-3)	50 %	25	25		
Chloropropionic acid (-3)	all	25	25		
Chloropyridine (tetra)	100 %	N.R.	45		
Chlorosulphonic acid	10 %	N.R.	N.R.		Sulphuric chlorohydrin
Chlorosulphonic acid	100 %	N.R.	N.R.		Sulphuric chlorohydrin
Chlorotoluene	100 %	25	45		
Chrome plating solution	-	N.R.	55		
Chrome plating solution with sulphuric acid	-	N.R.	N.R.		
Chromic acid	01 %	60	65	9	Chromic anhydride
Chromic acid	05 %	60	65	9	Chromic anhydride
Chromic acid	10 %	60	65	9	Chromic anhydride
Chromic acid	20 %	50	50	9	Chromic anhydride
Chromic acid	30 %	N.R.	N.R.	9	Chromic anhydride
Chromic sulphate	all	90	100	0	Chromium sulphate
Chromic/sulphuric acid	2,5:13,7	N.R.	N.R.		
Chromic/sulphuric acid, maximum concentratio	10 %	50	65	9	
Chromous sulphate	all	60	80		
Cinnamaldehyde	100 %	25	25		Cinnamic aldehyde
Citric acid	all	90	100	0	Hydroxy-1,2,3-propanetricarboxylic acid (2-)
Cobalt chloride	all	90	100		Cobaltous chloride
Cobalt citrate	all	80	80		
Cobalt nitrate	all	90	100		Cobaltous nitrate
Coconut fatty acid	100 %	90	90	0	
Coconut oil	100 %	90	100	0	
Cod Liver Oil	100 %	90	100		
Copper acetate	all	80	80		Cupric acetate
Copper ammonium chloride	all	80	80		
Copper cyanide	all	90	100	0,2	
Copper(I) chloride	all	90	100	0	Cuprous chloride
Copper(I) nitrate	all	90	100	0	
Copper(I) sulphate	all	90	100	0	
Copper(II) chloride	all	90	100	0	
Copper(II) nitrate	all	90	100	0	Cupric nitrate
Copper(II) sulphate	all	90	100	0	Blue copperas
Corn oil	100 %	90	100		
Corn starch slurry	all	90	100		
Corn sugar	all	90	100		

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Corn syrup	all	90	100		
Cottonseed oil	all	90	100		
Cresol (m-)	10 %	N.R.	25		Cresylic acid (m-)
Cresol (o-)	10 %	N.R.	25		Cresylic acid (o-)
Cresol (p-)	10 %	N.R.	25		Cresylic acid (p-)
Cresylic acid	all	N.R.	N.R.	9	
Crude oil, sour and sweet	100 %	90	100		
Cyclohexane	100 %	50	60		Hexalhydrobenzene
Cyclohexanol	100 %	40	50		Hexahydrophenol
Cyclohexanone	100 %	N.R.	25		Ketohexamethylene
Cyclohexylamine	100 %	25	25		Hexahydroaniline
Decalin	all	60	60		Decahydronaphthalene
Decanes	100 %	90	100		
Decanol	100 %	80	80		Decyl alcohol
Decenes	100 %	90	100		
Deionised water	100 %	80	80		
Demineralised water	100 %	80	80		
Detergents, sulphonated	all	90	100		
Di 2-ethyl hexyl phosphoric acid (in kerosene)	20 %	-	100		
Diallyl phthalate	all	80	100		
Diammonium phosphate	all	90	90		Ammonium hydrogen phosphate
Dibromophenol	100 %	N.R.	35		
Dibromopropanol	100 %	N.R.	N.R.		Dibromo-1-propanol (2,3-)
Dibromopropanol	all	N.R.	N.R.		Dibromo-1-propanol (2,3-)
Dibutyl ether	100 %	N.R.	65		Butyl ether
Dibutyl phthalate	100 %	80	100	0	
Dibutyl phthalate	all	80	100	0	
Dibutyl sebacate	all	60	65		
Dibutylamine (n-)	50 %	25	25		
Dichloroacetic acid	80 %	N.R.	25		
Dichlorobenzene (m-)	100 %	N.R.	45		Dichlorobenzene (1,3-)
Dichlorobenzene (o-)	100 %	N.R.	45		Dichlorobenzene (1,2-)
Dichlorobenzene (p-)	100 %	N.R.	45		Dichlorobenzene (1,4-)
Dichloroethane (-1,1)	100 %	N.R.	N.R.		
Dichloroethane (-1,2)	100 %	N.R.	N.R.		
Dichloroethylene	100 %	N.R.	N.R.		
Dichloroethylene	all	25	25		
Dichloromethane	100 %	N.R.	N.R.		Methylene chloride
Dichloromethane	20 %	25	25		Methylene chloride
Dichloropropane (-1,1)	100 %	N.R.	30		
Dichloropropane (-1,2)	100 %	N.R.	30		
Dichloropropene	100 %	N.R.	25		Dichloropropylene (1,3-)
Dichloropropionic acid	100 %	N.R.	N.R.		Dalapon
Dichlorotoluene	100 %	25	45		Chlorobenzylchloride
Diesel fuel	100 %	80	90		
Diesel fuel, no aromatics, no methanol	100 %	80	90		
Diethanol amine	100 %	50	50		DEA
Diethyl amine	100 %	N.R.	N.R.		
Diethyl amine	40 %	N.R.	25		
Diethyl aniline N,N	100 %	25	40		
Diethyl benzene	100 %	35	65		
Diethyl carbonate	100 %	N.R.	35		Ethyl carbonate
Diethyl ether	100 %	N.R.	N.R.		Diethyl oxide
Diethyl formamide	100 %	N.R.	N.R.		
Diethyl ketone	100 %	N.R.	25		Ethyl propionyl
Diethyl maleate	all	N.R.	N.R.		

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Diethyl phtalate	100 %	60	80		
Diethyl sulphate	100 %	40	50		Ethyl sulphate
Diethylene glycol	all	90	100	0	DEG
Diethylene glycol dimethyl ether	100 %	N.R.	25		Bis(2-methylethyl) ether
Diethylene glycol monobutyl ether	100 %	35	50		Butoxydiethylene glycol
Diethylenetriamine	100 %	N.R.	N.R.		
Diisobutyl ketone	100 %	N.R	45		Dimethyl-4-heptanone (2,6-)
Diisobutyl phthalate	100 %	60	80		
Diisobutylene	100 %	25	25		
Diisopropanol amine	100 %	40	65		DIPA
Diisopropylamine	all	25	25		
Dimethyl acetamide	100 %	N.R.	25		
Dimethyl amine	100 %	N.R.	25		DMA
Dimethyl aniline	100 %	25	40		Xylidine
Dimethyl formamide	100 %	N.R.	25		DMFA
Dimethyl morpholine (2,6-)	100 %	25	45		
Dimethyl phthalate	100 %	65	80		
Dimethyl sulphate	100 %	25	25		Methyl sulphate
Dimethyl sulphide	100 %	N.R.	20		Methyl sulphide
Dimethyl sulphoxide	100 %	N.R.	N.R.		DMSO
Dimethyl sulphoxide	20 %	N.R.	20		DMSO
Dinonyl phthalate	100 %	60	100		
Dioctyl phthalate	100 %	60	100		Di(2-ethylhexyl)phthalate
Dioctylsulfosuccinate sodium salt	all	80	80		
Dioxane (1,4-)	all	N.R.	N.R.		Diethylene ether
Diphenyl ether	100 %	25	50		Diphenyl oxide
Dipiperazine sulphate solution	all	40	40		
Dipotassium hydrogenphosphate	10 %	90	100	0	
Dipotassium hydrogenphosphate	50 %	90	100	0	
Dipropylamine (n-)	50 %	25	25		
Dipropylene glycol	all	90	100	0	Dihydroxydipropyl ether (1,2-)
Disodium hydrogenphosphate	10 %	90	100	0	
Disodium hydrogenphosphate	50 %	90	100	0	
Dispersions, copolymer vinyl acetate/vinyl vers	50 %	25	25		
Divinyl benzene	100 %	25	45		DVB
Dodecanol	100 %	90	90		Dodecyl alcohol
Dodecene	100 %	80	100		
Dodecyl benzene sulphonic acid	all	90	100		DDBSA
Dodecyl guanidine hydrochloride	all	80	80		
Dowanol DB Glycolether	all	25	25		
Embalming fluid	100 %	45	45		
Epichlorohydrin	100 %	N.R.	25		
Epoxidised vegetable oils	100 %	90	90		
Epoxidized Castor Oil	100 %	90	90		
Epoxidized Soybean Oil	100 %	90	90		
Epoxy resins - Epikote 828	100 %	45	45	25	
Esters, fatty acid	100 %	90	100		
Ethanol	01 %	60	65		Ethyl alcohol
Ethanol	10 %	60	65		Ethyl alcohol
Ethanol	100 %	25	40		Ethyl alcohol
Ethanol	20 %	60	65		Ethyl alcohol
Ethanol	50 %	40	50		Ethyl alcohol
Ethanol	96 %	25	40		Ethyl alcohol
Ethanol amine	100 %	50	50		Aminoethanol (2-)
Ethyl acetate	100 %	N.R.	N.R.		Acetic ester
Ethyl acrylate	100 %	N.R.	25		

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Ethyl amine	40 %	N.R.	25		
Ethyl benzene	100 %	N.R.	40		Phenylethane
Ethyl bromide	100 %	N.R.	N.R.		Bromoethane
Ethyl chloride	100 %	N.R.	N.R.		Chloroethane
Ethyl chlorohydrin	100 %	40	45		Ethylene chlorohydrin
Ethyl ether	100 %	N.R.	N.R.		Diethyl ether
Ethyl sulphate	100 %	N.R.	35		Diethyl sulphate
Ethylene chloride	100 %	N.R.	N.R.		Dichloroethane (1,2-)
Ethylene chlorohydrin	100 %	40	45		
Ethylene diaminetetraacetic acid, EDTA	all	60	60		
Ethylene dibromide	100	N.R.	N.R.		
Ethylene dichloride	100 %	N.R.	N.R.		Dichloroethane (1,2-)
Ethylene glycol	all	90	100	0	Ethanediol (1,2-)
Ethylene glycol monobutyl ether	100 %	40	40		Butoxyethanol (2-)
Ethylene oxide	100 %	N.R.	N.R.		Epoxyethane
Ethylhexanol (-2)	all	80	80		
Ethylhexylacrylate (-2)	100 %	25	25		
Eucalyptus oil	100 %	90	90		Atlasol 72
Fatty acid esters	100 %	90	100		
Fatty acids (C12 or higher)	all	90	100		
Ferric acetate	all	80	80	0	Iron acetate
Ferric chloride (III)	all	90	100	0	
Ferric chloride: Ferric sulphate	all	90	100	0	
Ferric chloride: Ferrous chloride	5 : 20	90	100	0	
Ferric chloride: Ferrous chloride: hydrochloric a	48 : 0,2 : 0,2	90	100	0,8	
Ferric chloride: Hydrochloric acid	29 : 18	80	100	0,8	
Ferric nitrate	all	90	100	0	Iron nitrate
Ferric sulphate	all	90	100	0	Ferric persulphate
Ferric sulphate : Sulphuric acid	sat'd : 10	80	80		
Ferrous chloride (II)	all	90	100	0	
Ferrous chloride: Ferric chloride	20 : 5	90	100	0	
Ferrous Chloride-Hydrochloric acid	all	50	50	8,9	
Ferrous nitrate	all	90	100	0	
Ferrous sulphate	all	90	100	0	Copperas
Ferrous sulphate : Magnesium oxide		90	100	0	
Fertiliser Uran		60	60	24	
Fertiliser, 8-8-8		60	60	23	
Fertilizer, Ureaammonium Cont'D 35,4% URE		60	60		
Flue gas, dry	100 %	100	200	0	
Flue gas, wet	100 %	90	100	0	
Fluoboric acid	10 %	80	100	0,2,9	Fluoroboric acid
Fluoboric acid	15 %	70	90	2,9	Fluoroboric acid
Fluoboric acid	25 %	60	80	2	Fluoroboric acid
Fluoboric acid	sat'd	50	70	2,9	Fluoroboric acid
Fluoride salts: Hydrochloric acid	30 : 10	50	50	2	
Fluorine gas		-	20	2,9	
Fluorocarbon 11	100 %	45	45		
Fluosilicic acid	10 %	65	70	2,9	Fluorosilicic acid
Fluosilicic acid	25 %	40	40	2,9	Fluorosilicic acid
Fluosilicic acid	35 %	25	35	2,9	Fluorosilicic acid
Fluosilicic acid	fumes	80	80	2,9	Fluorosilicic acid
Formaldehyde	50 %	50	65		Formic aldehyde
Formamide	100 %	25	40		Methanamide
Formic acid	10 %	80	80		Hydrogen carboxylic acid
Formic acid	30 %	80	80		Hydrogen carboxylic acid
Formic acid	50 %	60	60		Hydrogen carboxylic acid

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Formic acid	85 %	25	25		Hydrogen carboxylic acid
Formic acid	98 %	N.R.	N.R.		Hydrogen carboxylic acid
FREON 11	100 %	25	40		Fluorocarbon-11
Fuel oil, no aromatics, no methanol	100 %	90	100		
Furfural	100 %	N.R.	N.R.		Ant oil
Furfural	20 %	40	45		Ant oil
Furfural	5 %	70	70		Ant oil
Furfuryl alcohol	100 %	N.R.	25		Furfyl carbinol
Gallic Acid	all	60	60		
Gasoline fuel	100 %	-	-	9	
Gluconic acid	50 %	45	80		Glycocenic acid
Glucose	all	90	100	0	
Glutaraldehyde	50 %	25	50		
Glutaric acid	all	60	80		Pentadioic acid
Glycerine	100 %	90	100		Glycerol
Glycerine triacetate	all	25	25		
Glycolic acid	35 %	60	60		Hydroacetic acid
Glycolic acid	70 %	25	40		Hydroacetic acid
Glyme		N.R.	N.R.		
Glyoxal	40 %	40	45		
Green liquor (pulp mill)		90	100	0,9	
Gypsum slurry; phosphoric acid;fluorine water		45	45		
Heavy aromatic naphta (HAN)	100 %	45	50		
Heptane	100 %	90	100		Dipropylmethane
Heptene	100 %	90	100		Heptylene
Hexachlorocyclopentadiene	100 %	-	45		Perchlorocyclopentadiene
Hexachloroethane	100 %	N.R.	40		
Hexamethylenetetramine	60 %	40	45		Aminoforin
Hexane	100 %	60	70		
Hexanediol	all	80	80		
Hexene	100 %	60	70		
Hexene (2-)	100 %	60	70		
Hexene (2-trans-)	100 %	60	70		
Hexene (3-trans-)	100 %	60	70		
Hydraulic fluid, Neutral	100 %	90	90		
Hydraulic fluid, alkaline	100 %	25	25		
Hydrazine	100 %	N.R.	N.R.		Diamine
Hydrazine	50 %	N.R.	25		Diamine
Hydrazine Hydrate	16 %	30	30		
Hydrobromic acid	01 %	90	100	0,8	Hydrogen bromide
Hydrobromic acid	10 %	90	100	0,8	Hydrogen bromide
Hydrobromic acid	18 %	90	100	0,8	Hydrogen bromide
Hydrobromic acid	26 %	80	80	8,9	Hydrogen bromide
Hydrobromic acid	48 %	70	80	8,9	Hydrogen bromide
Hydrobromic acid	62 %	40	40	8,9	Hydrogen bromide
Hydrochloric acid	01 %	95	100	0,7,8	Hydrogen chloride
Hydrochloric acid	05 %	95	100	0,7,8	Hydrogen chloride
Hydrochloric acid	10 %	95	100	0,7,8	Hydrogen chloride
Hydrochloric acid	15 %	95	100	0,7,8	Hydrogen chloride
Hydrochloric acid	18 %	95	100	0,7,8	Hydrogen chloride
Hydrochloric acid	20 %	80	100	0,7,8	Hydrogen chloride
Hydrochloric acid	21 %	80	100	0,7,8	Hydrogen chloride
Hydrochloric acid	25 %	65	80	7,8,9	Hydrogen chloride
Hydrochloric acid	26 %	45	65	7,8,9	Hydrogen chloride
Hydrochloric acid	32 %	45	65	7,8,9	Hydrogen chloride
Hydrochloric acid	37 %	45	65	7,8,9	Hydrogen chloride

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Hydrochloric acid	fumes	90	100	0,7,8,9	Hydrogen chloride
Hydrochloric acid and organics		N.R.	50	6,8,9	
Hydrochloric-, sulphuric and acetic acid		-	55	6,8,9	
Hydrocyanic acid	10 %	90	100	0,9	Formonitril
Hydrofluoric acid	01 %	50	65	2,9	Hydrogen fluoride
Hydrofluoric acid	10 %	50	65	2,9	Hydrogen fluoride
Hydrofluoric acid	20 %	40	40	2,9	Hydrogen fluoride
Hydrofluoric acid	30 %	N.R.	N.R.		Hydrogen fluoride
Hydrofluosilicic acid	10 %	65	70	2,9	Fluorosilicic acid
Hydrofluosilicic acid	25 %	40	40	2,9	Fluorosilicic acid
Hydrofluosilicic acid	35 %	25	35	2,9	Fluorosilicic acid
Hydrofluosilicic acid	fumes	80	80	2,9	Fluorosilicic acid
Hydrogen bromide gas, dry	all	-	80	9	
Hydrogen bromide gas, wet	all	80	100	0,9	
Hydrogen chloride gas, dry	all	80	100	0,8,9	
Hydrogen chloride gas, wet	all	80	100	0,8,9	
Hydrogen fluoride gas, dry	all	-	-	9	
Hydrogen fluoride gas, wet	all	-	-	9	
Hydrogen peroxide	05 %	65	65	4	
Hydrogen peroxide	30 %	40	40	4	
Hydrogen sulphide, gas	05 %	80	180	0	
Hydrogen sulphide, gas	100 %	80	100	0	
Hydroxyacetic acid	35 %	60	60		Glycolic acid
Hydroxyacetic acid	70 %	25	40		Glycolic acid
Hydroxybenzenesulfonic acid	all	60	60		
Hypochlorous acid	10 %	25	25	9	
Hypochlorous acid	20 %	25	25	9	
Hypochlorous acid	50 %	25	25	9	
Hypophosporous acid	50 %	50	50	9	
Iodine	cristals	65	65		
Iodine	vapour	-	80		
Isoamyl alcohol	100 %	50	65		isobutylcarbinol
Isobutanol	05 %	80	80		isobutyl alcohol
Isobutanol	100 %	50	60		isobutyl alcohol
Isodecanol	100 %	80	80		
Isononyl alcohol	100 %	80	80		
Isooctyl adipate	100 %	80	80		
Isooctyl alcohol	100	80	80		Isooctanol
Isopropanol	20 %	80	80		Isopropyl alcohol
Isopropyl amine	100 %	N.R.	N.R.		
Isopropyl amine	40 %	N.R.	25		
Isopropyl myristate	100 %	90	100		
Isopropyl palmitate	all	90	100	0	
Isopropyl sulfate	all	25	25		
Itaconic acid	40 %	60	60		Methylene succinic acid
Itaconic acid	sat'd	50	50		Methylene succinic acid
Jet fuel	100 %	-	-	9	
Jojoba oil	100 %	80	80		
Kerosene	100 %	-	-	9	
Lactic acid	10 %	80	80		Hydroxypropionic acid
Lactic acid	80 %	25	25		Hydroxypropionic acid
Latex, Alkaline	all	25	25		
Latex, Paint emulsion	all	40	50		
Latex, PVA emulsion	all	40	50		
Latex, Rubber emulsion	all	40	50		
Lauric acid	all	90	100		Dodecanoic acid

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Lauroyl alcohol	all	90	90		
Lauroyl chloride	all	50	50		
Lauryl alcohol	all	90	90		Dodecanol
Lauryl chloride	all	50	50		
Lauryl ether sulfate	all	60	60		
Lauryl mercaptan	all	90	90		Dodecyl mercaptan (n-)
Lead acetate	all	80	80		
Lead chloride	all	90	100	0	
Lead nitrate	all	90	100	0	
Levulinic acid	all	90	100		Acetylpropionic acid
Lignin sulphate, PH 3-7	all	80	80		
Ligninsulfonate sodium salt	all	80	80		
Linoleic Acid	100 %	90	100		
Linolenic Acid	100 %	90	100		
Linseed oil	100 %	90	100		
Liquid sugar	all	80	80		
Lithium bromide	all	90	100	0	
Lithium carbonate	1 %	90	100	0,2	
Lithium carbonate	sat'd	80	80	0,2	
Lithium chloride	all	90	100	0	
Lithium hydroxide	all	65	40	2	
Lithium hypochlorite, pH > 11, active chlorine		65	50	2,3,4,5,9	
Lithium sulphate	all	90	100	0	
Magnesium bicarbonate	all	80	80		
Magnesium bisulphite	all	80	80		
Magnesium carbonate	sat'd	90	100	0,2	
Magnesium chloride	all	90	100	0	
Magnesium fluosilicate	37,5 %	40	60	2	
Magnesium hydroxide	Sat'd	90	100	0,2	
Magnesium nitrate	all	90	100	0	
Magnesium silicofluoride	37,5 %	40	60	2	
Magnesium sulphate	all	90	100	0	
Maleic acid	all	90	100	0	Butenedioic acid (cis-)
Maleic anhydride	100 %	90	100		Furandione (2,5-)
Manganese sulphate/sulphuric acid	90:10	80	100	0	
Manganese(II)chloride	all	90	100	0	
Manganese(II)nitrate	all	90	100	0	
Manganese(II)sulphate	all	90	100	0	
Maple Syrup	all	80	80		
Melamine Resins	all	25	25		
Mercaptoacetic acid	10 %	50	50	3	Thioglycolic acid
Mercaptoacetic acid	100 %	N.R.	30	3	Thioglycolic acid
Mercaptoacetic acid	80 %	N.R.	30	3	Thioglycolic acid
Mercaptopropionic -2	10 %	80	80		Thiolactic acid
Mercuric chloride	all	90	100	0	
Mercuric nitrate	all	90	100	0	Mercury nitrate
Mercurous chloride	all	90	100	0	Mercuric(I)chloride
Mercury	100 %	90	120		Hydrargyrum
Methacrylic acid	40 %	25	25		
Methane sulphonic acid	all	40	40		
Methanol	05 %	35	50		Methyl alcohol
Methanol	100 %	N.R.	35		Methyl alcohol
Methoxyethylacetate	100 %	N.R.	N.R.		
Methyl bromide, gas	10 %	N.R.	N.R.		
Methyl ethyl ketone	100 %	N.R.	N.R.		Butanone (2-)
Methyl isobutyl ketone	100 %	N.R.	25		Hexone

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Methyl methacrylate	all	N.R.	N.R.		
Methyl-2-Pentanediol-2,4	100 %	90	90		
Methylamine	100 %	N.R.	N.R.		Aminomethane
Methylamine	40 %	N.R.	25		Aminomethane
Methylaniline	100 %	N.R.	40		
Methylcellosolve	100 %	N.R.	N.R.		Cellulose methyl ether
Methylchlorophenoxyacetic acid (MCPA)	100 %	25	25		
Methylchlorophenoxypropionic Acid (MCPP)	100 %	25	25		
Methyldiethanolamine	100 %	50	50		
Methylene bromide	100 %	N.R.	N.R.		Dibromomethane
Methylene chloride	100 %	N.R.	N.R.		Dichloromethane
Methylene chloride	20 %	25	25		Dichloromethane
Methyleneblue salts PH 2-5.5, aq	all	60	60		
Methylpentanol (2-)	100 %	80	80		
Methylstyrene	100 %	25	45		
Milk and milk products	all	70	70	9	
Mineral Oils	100 %	90	100		
Molasses & invert molasses (2<pH<9)	100 %	80	80		
Molybdic acid	sat'd	-	-	9	
Monochloroacetic acid	100 %	N.R.	N.R.		Chloracetic acid
Monochloroacetic acid	50 %	50	50		Chloracetic acid
Monochloroacetic acid	80 %	N.R.	N.R.		Chloracetic acid
Monochlorobenzene	100 %	N.R	35		Chlorobenzene
Monoethanol amine	100 %	50	50		Aminoethanol (2-)
Monomethylhydrazine	100 %	N.R.	N.R.		MMH
Morpholine	100 %	N.R.	25		Tetrahydro-1,4-oxazine
Motor oil	100 %	90	120		
Muriatic acid (see hydrochloric acid)		-	-		
Mustard	all	-	-	9	
Myristic acid	all	90	100		Tetradecanoic acid
Naphta, aliphatic	100 %	90	90		
Naphta, heavy aromatic	100 %	45	50		
Naphtalene	100 %	80	100		Tar camphor
Naphtenoic acid (1-)	all	90	100	0	
Naphtenoic acid (2-)	all	90	100	0	
Naphthylamine-1-sulphonic acid (2-)	all	-	100	0,9	Tobias acid
Neopentyl glycol	all	80	80		Dimethyl-1,3-propanediol (2,2'-)
Nickel chloride	all	90	100	0	Nickelous chloride
Nickel nitrate	all	90	100	0	Nickelous nitrate
Nickel sulphate	all	90	100	0	
Nicotinic acid	all	45	45		Niacin
Nitric acid	02 %	90	100	0,8	
Nitric acid	05 %	75	85	0,8,9	
Nitric acid	10 %	60	70	8,9	
Nitric acid	15 %	60	65	8,9	
Nitric acid	20 %	50	65	8,9	
Nitric acid	25 %	50	55	8,9	
Nitric acid	30 %	40	40	8,9	
Nitric acid	35 %	40	40	8,9	
Nitric acid	40 %	N.R.	30	8,9	
Nitric acid	50 %	N.R.	25	8,9	
Nitric acid	60 %	N.R.	N.R.		
Nitric acid	fumes	80	80	8,9	
Nitric acid/chromic acid	15 : 3	N.R.	-	9	
Nitrobenzene	100 %	N.R.	35		Oil of mirbane
Nitrogen	100 %	100	200	0	

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Nitrogen tetroxide	100 %	N.R.	N.R.		
Nitrous Acid	10 %	25	25	9	
N-Methyl-2-Pyrrolidone	0,03 %	40	60		NMP
N-Methyl-2-Pyrrolidone	100 %	N.R.	N.R.		NMP
Nonanes	100 %	90	100		Nonyl hydride
Nonenes	100 %	90	100		
Octane	100 %	90	100		
Octanoic acid	all	90	100		caprylic acid
Octanol (1-)	100 %	80	80		Octyl alcohol, 1-
Octanol (2-)	100 %	80	80		Octyl alcohol, 2-
Octene	100 %	90	100		
Octylamine (2-)	100 %	-	45		Methylpentylamine
Octylamine (n-)	100 %	-	45		Octanamine
Octylamine (tert-)	100 %	-	45		
Oil, sour and sweet crude	100 %	90	100		
Oils (Grease, Lube, Vegetable)	100 %	90	90		
Oleic acid	all	90	100		Octadecenoic acid (cis-9-)
Oleum (fuming sulphuric acid)		N.R.	N.R.		Sulphuric acid fuming
Olive oil	100 %	90	100		
Orange oil	100 %	80	80		
Oxalic acid	20 %	90	100	0	
Oxalic acid	sat'd	90	100	0	
Ozone gas	all	N.R.	N.R.	9	
Palm oil	100 %	90	100		
Palmitic acid	100 %	90	100		Cetylic acid
Palmitoyl chloride	all	50	50		
Paper Mill Effluent		-	-	9	
Paraffin wax	100 %	90	90		
Peanut oil	100 %	90	100		
Pentachloroethane	100 %	N.R.	40		
Pentane	100 %	35	35		Amyl hydride
Pentanedioic acid	all	60	80		
Pentanol	100 %	50	65		Amyl alcohol
Pentasodium triphosphate	10 %	90	100	0	Sodium orthophosphate, tribasic
Pentene	100 %	30	30		
Peracetic acid : Acetic acid : Hydrogen peroxid	23: 20: 15: 42	-	25	3,4,9	
Perchloric acid	10 %	65	65	9	
Perchloric acid	20 %	35	35	9	
Perchloric acid	30 %	35	35	9	
Perchloric acid	70 %	25	25		
Perchloroethylene	100 %	50	50		Tetrachloroethylene
Peroxide Bleach	diluted	90	100	9	
Phenol	> 5 %	N.R.	N.R.		Carbolic acid
Phenol	1 %	25	50		Carbolic acid
Phenol	2 %	N.R.	25		Carbolic acid
Phenol	5 %	N.R.	25		Carbolic acid
Phenolformaldehyde resin	all	40	50		
Phenolsulphonic acid	all	25	25		
Phosphoric acid	105 %	90	100	0,28	Orthophosphoric acid
Phosphoric acid	all	90	100	0,28	Orthophosphoric acid
Phosphoric acid, (polymeric phosphoroic acid)	115 %	90	100	0,28	Orthophosphoric acid
Phosphorous acid	70 %	25	35		Orthophosponic acid
Phosphorous trichloride	100 %	N.R.	N.R.		
Phossy water		-	-	9	
Phthalates/Phthalate esters	all	60	60		
Phthalic acid	all	90	100	0	Benzenedicarboxylic acid (o-)

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Phthalic anhydride	100 %	90	100	0	
Picric acid	10 %	25	45		Carbazotic acid
Pine oil	100 %	90	90		
Pine oil disinfectant	100 %	50	50		
Piperazine dihydrochloride	all	-	45		
Plating solution, Cadmium		60	40	2,14	
Plating solution, Chrome		50	50	1,9,15	
Plating solution, Copper		-	80		
Plating solution, Gold		90	100	0,16	
Plating solution, Lead		90	100	0,2,17	
Plating solution, Nickel		90	100	0,18,19	
Plating solution, Platinum		80	100	0,9	
Plating solution, Silver		90	100	0,2,20	
Plating solution, Tin Fluoborate		80	100	0,2,21	
Plating solution, Zinc Fluoborate		-	100	0,2,22	
Pluronic Surfactant 25R-2	all	60	60		
Polyacrylamide	all	25	35		
Polyester resins	100 %	N.R.	45		
Polyethylene glycol	all	90	100	0	PEG
Polymeric phosphoric acid	115 %	90	100	0,28	Orthophosphoric acid
Polyols	all	80	80		
Polyphosphoric acid	115 %	90	100	0,28	Polymeric phosphoric acid
Polyvinyl acetate emulsion	all	40	50		
Polyvinyl alcohol	all	80	80		PVA
Potassium aluminium sulphate	all	90	100	0	Aluminium potassium sulphate
Potassium amyl xanthane	5 %	-	-	9	
Potassium bicarbonate	all	80	80		Baking soda
Potassium bromate	all	90	100	0	
Potassium bromide	all	90	100	0	
Potassium carbonate	10 %	80	80		Pearl ash
Potassium carbonate	sat'd	65	65		Pearl ash
Potassium chlorate	all	90	100	0	
Potassium chloride	all	90	100	0	
Potassium chromate	all	90	100	0	Neutral potassium chromate
Potassium cyanide	all	65	65	2	
Potassium dichromate	all	90	100	0	Potassium bichromate
Potassium dihydrogenphosphate	all	90	100	0	Potassium bichromate
Potassium ferricyanide	all	90	100	0	Red potassium prussiate
Potassium ferrocyanide	all	90	100	0	Yellow potassium prussiate
Potassium fluoride	all	60	60	2	
Potassium gold cyanide	12 %	-	35		
Potassium hydroxide	01 %	65	40	2,3,9	Caustic potash
Potassium hydroxide	10 %	65	40	2,3,9	Caustic potash
Potassium hydroxide	25 %	65	40	2,3,9	Caustic potash
Potassium hydroxide	sat'd	65	40	2,3,9	Caustic potash
Potassium iodide	all	60	65		
Potassium nitrate	all	90	100	0	Niter
Potassium nitrite	all	90	100	0	
Potassium orthophosphate (tribasic)	3 %	80	80		K3PO4,12H2O
Potassium orthophosphate (tribasic)	all	65	65		K3PO4,12H2O
Potassium oxalate	all	90	100		
Potassium permanganate	all	90	100	0	
Potassium persulphate	all	90	100	0	Potassium peroxydisulphate
Potassium phosphate (dibasic)	all	90	100	0	
Potassium phosphate (monobasic)	all	90	100	0	
Potassium phosphate (tribasic)	3 %	80	80		K3PO4,12H2O

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Potassium phosphate (tribasic)	all	65	65		K3PO4,12H2O
Potassium pyrophosphate	60 %	90	100	0	Normal potassium pyrophosphate
Potassium silicofluoride	all	25	35	2	Potassium fluosilicate
Potassium sulphate	all	90	100	0	
Propanol (1-)	100 %	50	60		propyl alcohol, 1-
Propanol (1-)	20 %	80	80		propyl alcohol, 1-
Propanol (2-)	100 %	50	60		propyl alcohol, 2-
Propanol (2-)	20 %	80	80		propyl alcohol, 2-
Propionic acid	100 %	N.R.	35		Methylacetic acid
Propionic acid	40 %	60	80		Methylacetic acid
Propylamine (n-) or iso	100 %	N.R.	N.R.		
Propylamine (n-) or iso	40 %	N.R.	25		
Propylene glycol 1,2	all	90	100	0	
Pyridine	100 %	N.R.	N.R.		
Quarternary ammonium salts	25 %	80	80		
Rayon spin bath		-	60		
Ref. Fuel C (Isooctane/Toluene)	100 %	25	25		
Renex detergents	all	-	65	26	
Rosin sizes		90	90	0	
Salicylaldehyde	100 %	25	25		Hydroxybenzaldehyde (o-)
Salicylic acid	all	60	65		Hydrodybenzoic acid (o-)
Salt brine	all	90	100	0	Halite
Sea water		90	100	0	
Selenious acid	all	80	100	0	Selenous acid
Sewage municipal	all	-	-	9	
Silicone oils or greases	100 %	90	90		
Silver cyanide	all	90	100	0	
Silver nitrate	all	90	100	0	
Soaps	all	60	60		
Sodium acetate	all	90	100	0	
Sodium alkylaryl sulphonate	all	80	80		
Sodium aluminate	all	60	65		
Sodium benzoate	all	60	80		
Sodium bicarbonate	all	80	80		
Sodium bicarbonate : Sodium carbonate	15 : 2	65	65	2	
Sodium bifluoride	all	40	40	2	
Sodium bisulphate	all	90	100	0	Niter cake
Sodium bisulphite	all	90	100	0	Sodium acid sulphite
Sodium borate	all	90	100	0	Borax
Sodium borohydride : Sodium hydroxide	12 :48	-	-	2,9	
Sodium bromate	all	90	100	0	
Sodium bromide	all	90	100	0	
Sodium bromide : Sodium bromate	20 : 20	90	100	0	
Sodium butyl xanthane	5 %	65	65		
Sodium carbonate	10 %	80	80	2	Soda
Sodium carbonate	sat'd	65	65	2	Soda
Sodium chlorate	all	90	100	0	
Sodium chloride	all	90	100	0	Halite
Sodium chlorite	10 %	65	65		
Sodium chlorite	50 %	40	40		
Sodium chromate	50 %	90	100	0	
Sodium cyanide	05 %	90	100	0,2	
Sodium cyanide	10 %	65	65	2	
Sodium cyanide	15 %	65	65	2	
Sodium dichromate	all	90	100		Sodium bichromate
Sodium dihydrogenphosphate	all	90	100	0	

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Sodium diphosphate	100 %	90	100	0	Dibasic sodium phosphate dodecahydrate
Sodium dodecylbenzene sulphonate	all	80	80		
Sodium ethyl xanthane	5 %	-	-	9	
Sodium ferricyanide	all	90	100	0	
Sodium ferrocyanide	all	90	100	0	
Sodium fluoride	all	80	80	2	
Sodium fluosilicate	all	40	50	2	
Sodium hexametaphosphate	all	80	80		Calgon
Sodium hydrosulphide	all	80	80		Sodium hydrogen sulphide
Sodium hydrosulphite	all	40	40		Sodium dithionite
Sodium hydroxide	01 %	65	40	2,3,9	Caustic soda
Sodium hydroxide	05 %	65	40	2,3,9	Caustic soda
Sodium hydroxide	25 %	65	40	2,3,9	Caustic soda
Sodium hydroxide	50 %	65	40	2,3,9	Caustic soda
Sodium hydroxide-Chlorine gas		-	-	9	
Sodium hypochlorite, pH > 11	ve chlorine < 1	65	50	2,3,4,5,9	Bleach
Sodium lauryl sulfate	all	60	70		
Sodium monophosphate	0,5 %	90	100	0	Monobasic sodium phosphate
Sodium monophosphate	10 %	90	100	0	Monobasic sodium phosphate
Sodium nitrate	all	90	100	0	Soda niter
Sodium nitrite	all	90	100	0	
Sodium orthophosphate (tribasic)	3 %	90	100	0	Pentasodium triphosphate
Sodium orthophosphate (tribasic)	all	90	100	0	Pentasodium triphosphate
Sodium oxalate	all	90	100	0	
Sodium persulphate	all	-	-	9	Sodium peroxydisulphate
Sodium phosphate	all	90	100	0	Pentasodium triphosphate
Sodium polyacrylate	all	65	80		
Sodium silicate	all	65	80	2	Water glass
Sodium sulphate	all	90	100	0	
Sodium sulphhydrate	all	80	80		Sodium hydrogen sulphide
Sodium sulphide	all	90	100	0	
Sodium sulphite	all	90	100	0	
Sodium tartrate	all	90	100	0	Disodium tartrate
Sodium tetraborate	all	90	100	0	Borax
Sodium thiocyanate	all	90	90	0	Sodium rhodanate
Sodium thiosulphate	all	90	90	0	Hypo
Sodium tridecylsulphate	all	90	90	0	
Sodium triphosphate	all	90	100	0	Pentasodium triphosphate
Sodium tripolyphosphate	all	90	100	0	Pentasodium triphosphate
Sodium xylene sulphonate	all	60	100	0	
Sorbitol solutions	all	90	90	0	
Soy sauce		-	-	9	
Soya oil	100 %	90	100		
Soybean oil	100 %	90	100		
Span surfactant	all	-	-	9,26	
Spearmint oil	100 %	90	90		
Stannic chloride	all	90	100	0	Tin chloride
Stannous chloride	all	90	100	0	Tin crystals
Stannous sulfate	all	90	100	0	
Starch 4 < pH < 9	all	90	100	0	
Stearic acid	all	90	100		Octadecanoic acid (n-)
Styrene	100 %	25	45		Cinnamene
Succinic acid	all	80	80		Butanedioic acid
Succinonitril (aqueous)	all	80	80		
Sucrose	all	80	100	0	Saccharose
Sulphamic acid	10 %	90	100	0	

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Sulphamic acid	25 %	65	65		
Sulphanilic acid	all	80	100	0	Aminobenzene sulphonic acid (p-)
Sulphated detergents	all	60	60		
Sulphite/sulphate liquors (pulp mill)		80	90	9	
Sulphonated detergents	all	60	80		
Sulphonyl chloride, aromatic	all	N.R.	N.R.		
Sulphur	100 %	-	150	0	
Sulphur chloride	all	N.R.	N.R.		Sulphur monochloride
Sulphur dichloride		N.R.	N.R.		
Sulphur dioxide gas, dry	all	70	80		
Sulphur dioxide gas, wet	all	70	80		
Sulphur trioxide gas		-	-	9	
Sulphuric acid	01 %	95	100	0,8	Battery acid
Sulphuric acid	05 %	95	100	0,8	Battery acid
Sulphuric acid	10 %	95	100	0,8	Battery acid
Sulphuric acid	25 %	95	100	0,8	Battery acid
Sulphuric acid	50 %	90	100	0,8	Battery acid
Sulphuric acid	60 %	80	80	8,9	Battery acid
Sulphuric acid	70 %	75	80	8,9	Battery acid
Sulphuric acid	75 %	40	50	8,9	Battery acid
Sulphuric acid	80 %	-	-	8,9	Battery acid
Sulphuric acid	93 %	N.R.	N.R.		Battery acid
Sulphuric acid	fuming	N.R.	N.R.		Oleum
Sulphuric acid : Ferrous sulphate	10 : sat'd	90	100	0	
Sulphuric acid : Phosphoric acid	10 : 20	80	80		
Sulphurous acid	10 %	45	45	9	
Sulphuryl chloride	100 %	N.R.	N.R.		Chlorosulphuric acid
Superphosphoric acid	105 %	90	100	0,28	Orthophosphoric acid
Tall oil	all	65	100	0	
Tannic acid	all	90	100		Gallotannic acid
Tartaric acid	all	90	100	0	Dihydroxysuccinic acid
Tetrachloroethane (-1,1,1,2)	100 %	N.R.	40		
Tetrachloroethane (-1,1,2,2)	100 %	N.R.	40		
Tetrachloroethylene	100 %	50	50		Perchloroethene
Tetrachloromethane	100 %	25	65		Carbon tetrachloride
Tetrachloropentane	100 %	N.R.	35		
Tetrachloropyridine	100 %	N.R.	35		
Tetrapotassium pyrophosphate	5 %	90	100	0	Normal potassium pyrophosphate
Tetrapotassium pyrophosphate	60 %	50	65		Normal potassium pyrophosphate
Tetrasodium ethylenediaminetetraacetate	all	60	60		EDTA Na4
Tetrasodium pyrophosphate	5 %	90	100	0	Sodium pyrophosphate
Tetrasodium pyrophosphate	60 %	50	65		Sodium pyrophosphate
Textone		-	100	0,13	
Thioglycolic acid	10 %	50	50	3	Mercaptoacetic acid
Thioglycolic acid	100 %	N.R.	30	3	Mercaptoacetic acid
Thioglycolic acid	80 %	N.R.	30	3	
Thionyl chloride	100 %	N.R.	N.R.		
Tobias acid	all	-	100	0,9	2-naphthylamine - 1-Sulphonic
Toluene	100 %	25	45		Methyl benzene
Toluene diisocyanate	100 %	25	25		TDI
Toluene sulphonic acid	50 %	90	100	0	Toluene sulphonate
Toluene sulphonic acid	sat'd	90	100	0	Toluene sulphonate
Toluidine (1,2-)	100 %	-	40		
Toluidine (1,3-)	100 %	-	40		
Toluidine (1,4-)	100 %	-	40		
Transformer oils	100 %	90	135		

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Tri-(2-chloroethyl) phosphate	all	25	25		
Tributyl phosphate	100 %	50	60		TBP
Tributylamine -N	all	40	50		
Trichloroacetaldehyde	100 %	N.R.	N.R.		Choral
Trichloroacetic acid	50 %	90	100	0	TCA
Trichlorobenzene	100 %	25	25		
Trichloroethane (-1,1,1)	100 %	N.R.	40		
Trichloroethane (-1,1,2)	100 %	N.R.	40		
Trichloroethylene	100 %	N.R.	N.R.		Trichloroethene
Trichloromonofluormethane	100 %	N.R.	35		Fluorocarbon-11
Trichlorophenol	100 %	N.R.	N.R.		(2,4,6-T)
Tricresyl phosphate	100 %	60	70		TCP
Tridecylbenzene sulphonate	all	90	100	0	
Triethanol amine	100 %	50	65		TEA
Triethanol amine lauryl sulphate	all	-	-	9	
Triethyl amine	100 %	40	50		
Triethylene glycol	all	90	100		TEG
Trimethyl amine	all	25	25		TMA
Trimethyl amine hydrochloride	sat'd	25	25		
Trimethylene chlorobromide	100 %	N.R.	N.R.		
Triphenyl phosphate	100 %	60	60		TPP
Triphenyl phosphite	100 %	60	60		
Tripotassium phosphate	3 %	80	80		Neutral potassium phosphate
Tripotassium phosphate	all	65	65		Neutral potassium phosphate
Tripropyl amine -N	all	40	50		
Tripropylene glycol	100 %	90	100	0	
Trisodium phosphate	3 %	90	100	0	Pentasodium triphosphate
Trisodium phosphate	all	90	100	0	Pentasodium triphosphate
Tritolyl phosphate	all	60	60		TCP
Tung Oil	100 %	90	100		
Turpentine	all	65	100		Turpentine oil
Tween surfactant	all	65	75	26	
Uran fertiliser		60	60	24	
Uranium extraction		-	-	9	
Urea	all	60	65		Carbamide
Urea : Ammonium nitrate : Water	35 : 44 : 20	60	65		
Urea formaldehyde resins pH<7	all	25	25		
Varsol solvent	100 %	45	45	9,29	
Vegetable Oils	100 %	90	100		
Versene (NaEDTA)	all	60	60	27	
Vinegar	all	90	100	0	
Vinyl acetate	100 %	N.R.	N.R.		
Vinyl chloride	100 %	N.R.	N.R.		Chloroethene
Vinyl toluene	100 %	25	45		Alpha Methyl Styrene
Water, Condensate	100 %	80	80		
Water, Deionised	100 %	80	80		
Water, Demineralized	100 %	80	80		
Water, Distilled	100 %	80	80		
Water, Sea	100 %	90	100	0	
Water, Tap	100 %	90	100		
Whisky		-	-	9	
White liquor (pulp mill)		-	-	9	
Wine		-	-	9	
Xylene	100 %	25	45		Dimethylbenzene
Xylene (m-)	100 %	25	45		Dimethylbenzene
Xylene (o-)	100 %	25	45		Dimethylbenzene (1,2-)

Chemical Resistance List

Chemical	Concentration	Maximum Temperature STAC-V1	Maximum Temperature STAC-V2	Note	Alias
Xylene (p-)	100 %	25	45		Dimethylbenzene (1,4-)
Xylidine	100 %	25	40		Dimethyl aniline
Zeolite	all	-	-	0,9	
Zinc chlorate	all	90	100	0	
Zinc chloride	all	90	100	0	
Zinc cyanide	all	80	80		
Zinc nitrate	all	90	100	0	
Zinc sulphate	all	90	100	0	
Zinc sulphite	all	90	100		

Note Nr.	Explanation
0	In case of chemical exposure above 80°C we recommend to contact our local technical service centre for advice.
1	Service temperature is probably higher.
2	Double synthetic veil has to be used.
3	Heat treatment will increase the service life.
4	STACCELerator-2 + STACATalyst-2 cure system recommended.
5	Satisfactory up to maximum stable temperature of component.
6	Double C-glass veil and 5 mm thick chemical resistant layer.
7	Double C-glass veil.
8	Acid resistant glass should be used in chemical resistant barrier.
9	Contact our locale technical representative.
10	Bleach chlorite: 10 w/w% Sodium chlorite and 10 w/w% Sodium nitrate.
11	Bleach hydrosulphite: 5 w/w% Zinc hydrosulphite + 2,5 w/w% Tripolyphosphate.
12	Bleach peroxide: 2 w/w% Sodium peroxide + 0,025 w/w% Magnesium sulphate + 5 w/w% Sodium silicate (42°Be) + 1,4% Sulphuric acid (66°Be).
13	Textone (trademark Olin): Liquid and solid available - Liquid solution is a 50% aqueous solution of sodium hypochlorite.
14	Cadmium plating solution: 3,2% Cadmium oxide + 10% Sodium cyanide + 1,2% Sodium hydroxide.
15	Chromium plating solution: 18,5% Chromic acid + 0,6% Sodium fluosilicate + 0,01% Sodium sulphate.
16	Gold plating solution: 22,8% Potassium ferrocyanide + 0,2% Potassium gold cyanide + 0,8% Sodium cyanide.
17	Lead plating solution: 8% Lead + 0,8% Fluoboric acid + 0,4% Boric acid.
18	Nickel plating solution: 11,3% Nickel sulphate + 1,4% Nickel chloride + 1,1% Boric acid.
19	Nickel plating solution: 43,7% Nickel sulphate + 3,5% Ammonium chloride + 3,5% Boric acid.
20	Silver plating solution: 3,9% Silver cyanide + 6,5% Potassium cyanide + 1,6% Potassium carbonate + 4,5% Sodium cyanide.
21	Tin plating solution: 18,3% Stannous fluoborate + 7,4% Metallic tin + 9,1% Fluoboric acid + 2,3% Boric acid + 0,1% Naphtol.
22	Zinc plating solution: 49% Zinc fluoborate + 4,4% Ammonium chloride + 5,9% Ammonium fluoborate.
23	8-8-8 Fertiliser solution: Phosphoric acid + Ammonia + Uran (tradename: Allied Chemical) + Potash + Borax.
24	Uran (tradename: Allied Chemical) = Urea-Ammonium-Nitrate solution: 44,3% Ammonium nitrate + 35,4% Urea + 20,3% Water.
25	Epikote is a tradename of Shell.
26	Renex, Span and Tween are tradenames of ICI.
27	Versene is a tradename of Dow.
28	Solution can discolour.
29	Varsol is a tradename of Esso.