



TECHNIFLEX

KİMYASAL DAYANIM TABLOSU
CHEMICAL RESISTANCE TABLE

15.2 Resistance table

Chemical Resistance*	Hose wall resp coating material							Chemical Resistance*	Hose wall resp coating material							
	polyurethane	silicone	VinylPVC	polyethylene	PTFE	Hypalon	Neoprene		polyurethane	silicone	VinylPVC	polyethylene	PTFE	Hypalon	Neoprene	
1=excellent resistance 2=good resistance 3=mediocre resistance x=not resistant								1=excellent resistance 2=good resistance 3=mediocre resistance x=not resistant								
Acetaldehyde	2	1	x	1	1	3	3	Benzoic acid, aqueous	x	x	1	1	1	x	x	
Acetate of copper				1	1	2	2	Benzyl alcohol	x	1	3	3	1	2	3	
Acetic acid 25%	x	3	x	2	1	2	2	Benzyl chloride	x	2	x	2-3	1	x	x	
Acetic acid 50%	x	3	x	3	1	3	2	Biphenyl oxide	x	2			1	3	x	
Acetic acid anhydride 50%	x	1	x	3	1	2	1	Biphenyls, polychlorinated(pyranol):							x	3
Acetic ether								Bismuth carbonate	1	1	1	1	1			1
Acetone	x	2	3	1	1	3	2	Bisulphite, containing SQ			1	1	1			1
Acetylene gas	1	1	1	1	1	2	2	Blanco-fox: see Barium sulphate							1	1
Acids: see specific designations.								Bleaching lye (eau de javelle):							2	3
Applicable in general	3	2	2-3	1-2	1	3	3	see Potassium hypochlorite								
Acrylic acid ethylester: see Ethyl acrylate						1	x	Borax: see Sodium borate							2	1
Acrylonitrile	x	2	x	1	1	3	3	Boric acid, aqueous	1	3	1	1	1	1	1	x
Adipic acid			1	1	1	1		Brake fluid see Greases and oils							1	
Alcohols: see specific designations.						1-2	2	Bromine water	x	x	x	x	1	2	x	
Applicable in general I)	2	1-2	1-2	1-2	1	3	3	Bromobenzene	x	x	x	x	1	x	x	
See Gasoline homologues								Butane gas	1	3	1	x	1	3	2	
Applicable in general	2	x	3	x	1	2-3	3	Butane, liquid	1	3	2	1	1	1	1	1
Alkyl chloride								Butanol: see Butyl alcohol							1	1
Alum: see Aluminium potassium sulphate						1	2	Butane : see Methyl ethyl ketone							x	3
Aluminium acetate, aqueous						1	1	Butter mitl ¹	1	1	1	1	1	1	1	3
Aluminium chloride, Aqueous	1-2	x	1	1	1	1-2	1	Butyl acetate	x	3	x	x	1	3	x	
Aluminium fluoride	3	1	1	1	1	1	1	Butyl ether	3	2	1	x	1			
Aluminium nitrate, aqueous		2	1	1	1	1	1	Butyl benzoate						1	x	x
Aluminium phosphate, aqueous						1	1	Butyl carbitol						1	2	3
Aluminium sulphate, aqueous	1	1	1	1	1	1	1	Butyl glycol	3	2	x	1	1			x
Amines: see specific designation								Butyl oleate						1	x	x
Ammonia gas 20 °C	x	1	1	1	1	2	1	Butyl stearate	1	1	1	x	1	x	3	
Ammonia, liquid	x	3	3	1	1	2	1	Butyraldehyde		3		1	1	x	3	
Ammonium carbonate, aqueous	x	2	1	1	1	1	1	Butyric acid, aqueous ¹⁾	x	2	1	x	1	3	x	
Ammonium chloride, aqueous						2	1	Calcinated soda: see Sodium carbonate							1	1
Ammonium diphosphate, aqueous (sal ammoniac)	1	1-2	1	1	1	1	1	Calcium oxide=calcinated lime	1	2	1	1	1	1	1	1
Ammonium hydroxide, aqueous:								Calcium sulphide	1	2			1	1	1	1
See Ammonia in water						3	2	Calcium acetate					1	1	2	2
Ammonium metaphosphate	1	1	1	1	1	1	1	Calcium bisulphite	3	2	1	1	1	1	1	2
Ammonium nitrate, aqueous	1	1	1	1	1			Calcium bisulphite ,aqueous	1	1	1	1	1	1	1	1
Ammonium nitrite		2			1	1	1	Calcium carbonate	1	1	1	1	1	1	1	1
Ammonium sulphate	1	1	1	1	1	1	1	Calcium chloride, aqueous	1	1	1	1	1	1	1	1
Ammonium thiocyanate	2	1		1	1			Calcium hypochlorite aqueous	x	3	1	1	1	2	3	
Amyl acetate ¹⁾	x	3	x	2	1	x	3	Calcium nitrate	1	2	1	1	1	1	1	1
Amyl alcohol	2	1	1	1	1	1	1	Calcium sulphate (gypsum), aqueous	1	1	1	1	1	1	1	2
Amyl borate						1	1	Carbitol: see Diethyl glycol							2	3
Amyl chloride	x	3	x	x	1	x	x	monoethyl ether							2	1
Animal fat: see Oils and greases, animal						1-2	3	Carbolic acid see Phenol							2	1
Anol see Cyclohexanon						1-2	2	see Bisulphide of carbon								
Antifreeze see precise								as well as wet and dry	1	1	1	1	1			
Chemical designation								Carbon dioxide. Solid(dry ice- 80 °C								
Antimony: see Sodium thiosulphate						1	1	but elastomers and plastomers								
Aqua fortis see Nitric acid						3	x	Carbon monoxide	1	1	1	1	1	2	2	
Aqua regia	x	3	2	x	1	3	3	Carbon tetrachloride								
Arctons=ICI Freon types: ask for advisory								(tetrachloromethane)	3	x	x	x	1			
Argon gas	1	1	1	1	1	1	1	Carbonic acid: see Carbon dioxide								
Aromatics: see benzene, toluol, xylol								Caustic potash:								
Arsenic acid	3	1	1	1	1	1	1	see Potassium hydroxide								
Asphalt(pitch)	2	2	2	1	1	2	2	Caustic soda : see Sodium hydroxide								
Ata-brake fluid	2	x	2	2	1	1		ester based hydraulic oil								
Bacon ¹⁾	1	2		1	1	3	x	Chile saltpeter see Sodium nitrate							1	2
Barium chloride, aqueous	1	1	1	1	1	1	1	Chloric acid, aqueous				1	1	1	1	1
Barium sulphate (Barte)	1	1	1	1	1	1	1	Chloric acid gas	2	1	1	1	1			
Barium sulphide	2	1	1	1	1	1	1	Chlorinated hydrocarbons:								
Basic aluminium acetate:							1	Applicable in general	x	x	x	x	1	x	x	
see Aluminium acetate								Chlorinated lime:								
Benzaldehyde	3	3	3	x	1	3-x	x	Chlorinated water 3%	3	2	1	2	1	3	x	
Benzene								Chlorine, dry	x	x	x	x	1	3	3-x	
								Chlorine, moist	x	x	x	x	1			

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	polyurethane	silicone	VinilPVC	polyethylene	PTFE	Hypalon	Neoprene		polyurethane	silicone	VinilPVC	polyethylene	PTFE	Hypalon	Neoprene
1=excellent resistance								1=excellent resistance							
2=good resistance								2=good resistance							
3=mediocre resistance								3=mediocre resistance							
x=not resistant								x=not resistant							
Chlorobenzene						x	x	Ethyl dichloride	x	x	x	x	1	x	x
Chlorobiphenyl (Clophene)	x	2	x	1	1	x	x	Ethyl glycol	x			1	1		
Chlorocalcium see Calcium chloride						1	1	Ethyl mercaptan	x	3			1	2	x
Chloroform (Trichloromethane)	x	x	x	x	1	x	x	Ethylene(gas) (ethene)	1	2	1	1	1	x	2
Chloromethyl see Methyl chloride						x	x	Ethylene glycol	2	1	1	1	1	1	1
Chloroprene						1		Ethylene oxide	x	3-x	x	x	x		
Chlorosulphonic acid	x	x	x	x	1	x	x	Ethylene oxide, liquid	x	x	x	x	1	x	x
Chlorothene see Trichloro-ethane						x	x	Fatty acids in general	1	3	1	3	1	x	x
Chromic acid 10%	3	3	1	1	1	2-3	3	Fermented fruit juice ¹⁾	1	1	1	1	1	1	1
Chromic acid 25%	x	x	2	1	1	2-3	x	Ferric chloride, aqueous	3	1	1	1	1	2	1
Chromic acid 50%	x	x	x	3	1	2-3	x	Fluohydric acid see Hydrofluoric acid							
Citric acid ¹⁾	1	1	1	1	1			Fluorine, liquid				x	1		x
Citric acid, aqueous	1	1	1	1	1	1	1	Fluorobenzene	x				1	x	x
Clophene see Chlorobiphenyl						x	x	Formaldehyde	2	1	1	1	1	2	2
Coal tar (see also hot tar)	x	1	2	2	1	x	3	Formaline (30-40% aqueous formaldehyde solution with 8-12% methyl alcohol additive)	2	2	1	1	1	2	2
Coconut grease and oil	1	1	1	x	1	3	2	Formic acid	x	2	3	2	1	1	1
Compressed air see Air, oil saturated						120		ask for detailed user advisory							
Copper chloride, aqueous	1	1	1	1	1	2	2	Fruit juices ¹⁾	1	1	1	1	1	1	1
Copper nitrate, aqueous	3	1	3	1	1	1	1	Fruit pulp ¹⁾	1	1	1	1	1	1	1
Copper sulphate, aqueous (blue vitriol)	1	1	2-3	1	1	2	1	Fuming sulphuric acid see Oleum							
Corn oil	1	1	2	x	1	2	2	Furfural alcohol (furfurol)	x	2	1	x	1	3	3
Cottonseed oil ¹⁾	1	1-2	1	1	1	1-2	2-3	Gallic acid	3	1	1	1	1	2	3
Creosote	2	2	2-3	x	1	x	3	Gasoline aviation	1-2	x	3	x	1	3	2
Creosol see Cresylic acid								Gasoline, low aromatic	2	x	3	x	1	x	1
Cresylic acid	x	2	x	x	1	x	3	Gelatin, aqueous	1	1	1	1	1	1	1
Cupric hydroxide see Mountain blue								Glacial acetic acid: acetic acid concentrate						3	x
Cyankali see potassium cyanide						1	1-2	Glauber's salt see Sodium sulphate						1	1
Cyclohexane (hexahydrobenzene)	2	x	1	1	1	x	x	Glue, animal	2	1	1	1	1	1	1
Cyclohexanol	x	2	x	1	1	1-2	2	Glycerine	1	1	1	1	1	1	1
Cyclohexanon	x	2	x	1	1	x	x	Glycerol see Ethylene glycol pure							
detergent, synthetic, 20 °C	1	1	1	1	1	1	2	Applicable in general	2	1	1	1	1		
Developer liquids (in general)	2	1						Grape juice unfermented ¹⁾	1	1	1	1	1	1	1
Dextrose see Glucose						1	1	Greases see Oils and greases						x	x
Dibenzyl ether	x	2	x		1	x		Gypsum see Calcium sulphate						1	2
Dibutyl phthalate	3	2	3	3	1	3-x	x	Heavy gasoline (white spirit, mineral turpentine) see Gasoline						x	1
Dibutyl sebacate	x	1	3	1	1	x	x	Helium	1	1	1	1	1	1	1
Dibutylamine		3			1	x	x	Heptane	2	x	1	1	1	2	3
Dichlorobenzene	x	x	x	3	1	x	x	Hexahydrobenzene see Cyclohexane						x	x
Dichloroethylene	x	x	x	x	1	x	x	Hexaline see Cyclohexanol						2	2
Dichloromethane	x	x	x	x	1	x	x	Hexane	2	x	1	1	1	3	2
Diesel oil	2	3	3	2	1	3	x	Hexanol=hexyl alcohol	x	3	3	1	1	2	1
Diethanolamine				1				Hat air see Air							
Diethyl sebacate		2			1	x	x	Hot tar to °C	x	x	x	x	200	x	x
Diethylamine	3	2		3	1	3	2	Hydraulic oils and liquids mineral oil based	1	3	3	3	1	2	2
Diethylbenzene	x	x	1		1	x	x	phosphate ester based	x	2-3	x	x	1	x	x
Diethylene glycol (carbitol)	3	2	1	1	1	2	3	Hydrazine	x	x	1	1	1	2	3
Diglycol see Diethylene glycol						2	1	Hydrazine hydrate, aqueous	x	3	1	1	1	1	2
Dimethyl ether	2		x	2	1	x	3	Hydrochloric acid 15%	2	1	1	1	1	2	3
Dimethyl phthalate						1		Hydrochloric acid 38% (conc.)	x	3	2	1	1	2	3
Dimethylamine			x	3	1	2-3	3	Hydrocyanic acid see Prussic							
Dimethylaniline	x	2			1			Hydrofluoric acid 10%	2	1	1	2	1	1	2
Diocetyl sebacate	2	3			1	3	x	Hydrofluoric acid 30%	2	1	x	2	1	2	3
Dioxane	x	x	x	1	1	x	x	Hydrofluoric acid 75%	3	1-2	x	x	1	2	x
Dipropylene glycol		2			1	1	1	Hydrofluosilic acid, aqueous	x	x	1	1	1	2	2
Distilled oils ²⁾	2	x	x	x	1			Hydrogen cyanide see Prussic acid							
Disulphide of carbon	2	x	2	x	1			Hydrogen peroxide 10%	2	1	1	2	1	2	x
Dodecyl alcohol					1		1	Hydrogen peroxide 30%	2	1	x	1	1	2	x
Drilling oil:								Hydrogen sulphide, dry	3	1	x	1	1	2	3
determine chemical composition see Potassium hypochlorite								Hydrogen sulphide, moist	3-x	1	3	1	1		
Epichlorohydrin, liquid	x	x		1	1	x	x	(5-10% alcohol iodine solution)	x	x	x	3	1	2	3
Epsom salt, see Magnesium sulphate						1	1	Iron sulphate, iron vitriol, aqueous	2	1	1	1	1		
Esters: see individual designations.								Isobutanol=isobutyl alcohol	x	1	1	1	1		
Ethanalamine	x	3		1	1	2-3	2-3	Isocane	2	1	1	x	1	2	3
Ethane (gas)	1	3	1	1	1	2-3	2	Isocetane	3	2	1	1	1		
Ethanol see Ethyl alcohol								Isopropanol=isopropyl alcohol	3	1	3	1	1		
Ether (ethyl ether, diethyl ether)	1	x	3	x	1	3-x	3	Isopropyl acetate	3	2	2		1	1	2
Ethyl acetate	x	2	x	2	1	x	3								
Ethyl alcohol (denatured=spirits)	2	1	1	1	1	1	1								
Ethyl benzene	x	x	x	x	1	x	x								

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	polyurethane	silicone	VinylPVC	polyether	PTFE	Hypalon		Neoprene	polyurethane	silicone	VinylPVC	polyether	PTFE	Hypalon	Neoprene	
1=excellent resistance 2=good resistance 3=mediocre resistance x=not resistant																
Medium																
Isopropyl benzene	3-x	x			1	x	x	Natron,also double carbonated N: see sodium bicarbonate							1	1
Isopropyl chloride					1	x	x	Natural gas, dry	1	x	1	1	1	1	1	1
Isopropyl ether	1		3	3	1	3	x	Nickel sulphate,aqueous	2	1	1	1	1	1	1	1
Jet fuel DPI-IPS		x	1	x	1	x	3	Nitrating acid (mixture of nitric acid and conc sulphuric acid, see latter)								
Kerosene	2	3	1	x	1	3	2	Nitric acid 10%	x	3	1	1	1	2	2	
Ketones see individual designations.								Nitric acid 25 %	x	x	2	x	1	2	3	
Applicable in general	x	2	x	x	1			Nitric acid 60%	x	x	3	x	1	3-x	x	
Lacquer:composition must								Nitrobenzene	x	x	x	x	1	x	x	
Lactic acid ¹⁾	2	3	3	2	1	2	3	Nitrolool			x	1	1			
Lanolin	1	3	2	2	1	3	3	Nitropropane	x	x			1			
Lard:see Oils and greases. Animal						2	3	Nitrous oxide (laughing gas)	1	1	1	1	1	1	1	
Lauryl alcohol:see Dodecyl alcohol							1	Nonyl alcohol (nonanol)	x	2		1	1	2	3	
Lead acetate, aqueous	1	1	1	1	1	1	2	Octanol=octyl alcohol	x	2	x	1	1	1	1	
Lead arsenate,aqueous	1	1	1	1	1	1	1	Oils and greases								
Lead nitrate		2			1	1	1	mineral,without additives,at 20 °C	1	2-3	2	2	1			
Light gasoline:see Gasoline								ASTM oil no 1 20 ° C	1	2	2	2	1	1	1	
Lighting gas:see Town gas						3	x	ASTM oil no 2 20 ° C	2	3	1	3	1	2	1	
Lignite tar oil:See coal tar						x	3	ASTM oil no 3 20 ° C	2	3	1	3	1	2	x	
Lime, slaked see Calcium hydroxide						1	1	ASTM oil no 3 20 ° C animal ¹⁾	1	3	2	2-3	1	2	3	
Limestone:see Calcium carbonate						1	1	vegetable ¹⁾	1	3	2	2-3	1	2	3	
Linseed oil ¹⁾	2	1	3	x	1	2	2	transformer oil (pyranol)	2	2	3	3	1	x	3	
Liquid paraffin	2	2	1	3	1			diesel oil	2	3	3	2	1			
Liquefied petroleum gas (LPG): see relevant chemical identification								heating oils	2	3	3	2	1			
Liver train (oil) ¹⁾	1	2	x	1	1			hydraulic oils								
LPG:see relevant chemical designation of gas								glycol-based (polyalkyl glycols)	1-2	2		1	1			
Lyes see exact designations.						1=2	2	phosphate ester- based	x	2-3	x	x	1			
Applicable in general	2	2	1	1-2	1			Oleic acid	1	x	1	2	x	3-x	x	
Machine oils:see Oils, mineral								Oleum(fuming sulphuric acid)	x	x	x	x	1	x	x	
Magnesium hydroxide	1				1	1	1	Oleum vapours	x	x	3	x	1	3	x	
Magnesium silicate(talc)	1	1	1	1	1	1	1	Olive oil ¹⁾	1	2	1	1	1	2	2	
Magnesium sulphate	1	1	1	1	1	1	1	Oxalic acid,aqueous	x	1	2	1	1	2	3	
Magnesium sulphite,aqueous	x	x	1	1	1	x	3-x	Oxygen,pure to °C	80	175	70	70	200	120		
Maleic acid,aqueous	3	1	1	1	1			Ozone	1	1	1	x	1	1	1	
Malic acid, aqueous	1	1	1	1	1	1	1	Palm oil ¹⁾	2	1	3	x	1	3	x	
Manure	1	1	1	1	1	1	1	Palmitic acid	1	1	x	1	1	3	3	
Margarine greases and oils ¹⁾	1	3	2	2-3	1	1-2	2	Paraformaldehyde	1	1		1	1		2	
MEK,see Methyl ethyl ketone						x	3	Pentachlorophenol	x	3		1				
Mercury	1	1	3	1	1	1	1-2	Pentane	x	x	1	x	1	2	2	
Mercury chloride (sublimite)	1	1	3	1	1	1-2	1-2	Perborate:see Sodium borate							2	1
Mercury nitrate	1	1	1	1	1			Perchloric acid,aqueous	x	x	1	1	1	2	2	
mesityl oxide		x			1	x	x	Perchloroethylene	x	2	x	x	1	x	x	
Methane(gas)	3	3	1	1	1	2-3	2-3	Perhydrol:see Oxygen superoxide								
Methanol:see methyl alcohol						1	1	Permanganate: see Potassium permanganate							1	2
Methyl isobutyl ketone	x	3		1	1	x	x	Petroleum (see also Oils, mineral)	1	2	x	2-3	1			
Methyl acetate	x	x	x	1	1		x	Petroleum ether:see Gasoline								
Methyl alcohol	3	1	1	1	1	1	1	Phosphoric acid 50%	2	2	1	1	1	2	2	
methyl chloride	x	x	3	x	1	x	x	Phosphoric acid 85%	x	3	1	1	1	2	3	
Methyl glycol(methylcellosolve)			x	1	1	3	2-3	Phosphoric alumina: see Aluminium phosphate							1	1
Methyl glycol acetate	x	x			1		x	Phosphorus oxychloride			x	3	1	3	3	
Methyl phthalate:see Dimethyl phthalate			3	1	1			Phthalic acid anhydride, aqueous(phthalic acid)			1	1	1			1
Methylamine,aqueous						1	2	Picric acid	x	1	1	1	1	2	2	
Methylated spirit: see Ethyl alcohol,denatured						1	1	Polychlorinated diphenyls (pyranol):							x	3
Methylene chloride: see Dichloromethane						x	x	Potash:see Potassium carbonate							1	1
Milk of lime (lime water):								Potassium acetate, aqueous	x	x	1	1	1	3	3	
Milk ¹⁾	2	1	1	1	1	1	1	Potassium aluminium sulphate(alum)	1	2	1	1	1	1	2	
Mineral oils:see Oils mineral								Potassium borate,aqueous	1	1	1	1	1	1	1	
Mixed acid I (sulphuric acid/phosphoric acid/water)	x	x	x	x	1	x	x	Potassium bromide,aqueous	2	1	1	1	1	1	1	
Mixed acid II: (sulphuric acid/phosphoric acid/water)				1	3	1		Potassium bicarbonate	2	1	1	1	1	2	1	
Molasses ¹⁾	1	1	1	1	1	1	1	Potassium bichromate: see Potassium dichromate								
Monochloroacetic acid	x	x	x	x	1	2	3	Potassium carbonate(potash)	3	1	1	1	1	1	1	
Monochlorobenzene	3	3	x	x	1	x	x	Potassium chlorate,aqueous	2	2		1	1	1	1	
Monochloromethane:see methyl chloride						x	x	Potassium cyanide	3	1	x	1	1	1	2	
Motor oil:see Oils and greases, Clarify mineral additives								Potassium dichromate	2	1	1	1	1	2	1	
Mountain blue (cupric hydroxide) see Fermented fruit juice	1	1		1	1			Potassium hydroxide							2	1
Must,unfermented ¹⁾	1	1	1	1	1	1	1	Potassium hypochlorite (eau de Javelle)	x	2	1	3	1	3	3	
Myristyl alcohol=myristic alcohol			1	3	1	1	1	Potassium iodide,aqueous			3	1	1	1	1	
								Potassium Iye:see Potassiumhydroxide								

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	polyurethane	silicone	VinylPVC	polyethylene	PTFE	Hypalon	Neoprene
1=excellent resistance 2=good resistance 3=mediocre resistance x=not resistant							
Medium							
Potassium sulphate	1	1	1	1	1	1	1
Potassium sulphite	1	1	1	1	1	1	1
Propane, liquid	1	3	1	x	1	3	2-3
Propanol see Propyl alcohol						1-2	2
Propionic acid			1	1	1	3	x
Propyl acetate							
Propyl alcohol	3	2	3	1	1	1-2	2
Propylamine	x	x			1	x	x
Propylene	x	x			1	x	x
Propylene dichloride		x		x	1		
Propylene glycol	1	3	1	1	1	2-3	
Prussic acid 20%	2	2	1	1	1	2-3	2-3
Prussic acid 98% (conc.)	2	2	1	1	1	2-3	2-3
Pydraul: see Hydraulic liquids based on phosphate esters						2-3	x
Pyranol: see Oils, transformer						x	2-3
Quick lime: see Calcium oxide						1	1
Radioactive radiation, applicable in general	3	x	x	3	x	2-3	1
Rapeseed oil ¹	2	x			1	2-3	2-3
Raw sugar sap ¹	3	1	1	1	1	1	2
Salmiac: see Ammonium chloride						2	1
Salt: if table salt see Sodium chloride see Brine or see Water, Seawater							
Sangajol=turpentine oil substitute: see Gasoline							
Seawater: see Water							
Silicon dioxide (silicic acid)	1	1	1	1	1	1	1
Silicon oils and greases	1	2	x	1	1	1	2-3
Skydrol: see Hydraulic liquids based on phosphate esters	2	1	1	1	1	x	x
Soap solution							
see Sodium carbonate, anhydrous							
Soda, crystallised see Sodium carbonate							
Soda lye see sodium hydroxide							
Sodium acetate, aqueous	3	1	1	1	1	2	2
Sodium bicarbonate, aqueous	2	1	1	1	1		
Sodium bisulphate	x	1	1	1	1	1	1
Sodium bisulphite, aqueous	x	1	1	1	1	1	1
Sodium carbonate	x	1	1	1	1	1	1
Sodium chlorate, aqueous	2	1	1	1	1	1	1
Sodium chloride (table salt)	2	1	1	1	1	1	1
Sodium cyanide	3	1	1	1	1	1	1
Sodium dichromate	3	2	1	1	1	1	1
Sodium fluoride	2	2	1	1	1	1	1
Sodium fluoraluminate 10%	2-3	2	1	1	1	1	1
Sodium hydroxide (sod lye) 25%, 20 °C	2	2	1	1	1	1	2
Sodium hydroxide (sod lye) 25%, 100 °C	x	x	x	x	1	3	x
Sodium hypochlorite 30%	3	3	1	2	1	1	1
Sodium metaphosphate		1	1	1	1	2	2
Sodium nitrate	1	1	1	1	1	1	2
Sodium nitrite	1	1	1	1	1	1	1
Sodium perborate		1	2	1	1	2	2
Sodium peroxide	3	x			1	2	2-3
Sodium phosphate						2	2
(see also Trisodium phosphate)	2	1	1	1	1		
Sodium silicate, aqueous	3	1	1	1	1	1	1
Sodium sulphate, aqueous	1	1	1	1	1		
Sodium sulphide, aqueous			1	1	1		
Sodium sulphide, aqueous	1	1	1	1	1		
Sodium thiosulphate (antichlorine)	2	1	1	1	1	1	1
Soluble sodium see sodium silicate							
Soyabean oil ¹	2	1	1	x	1	2-3	2-3
Spindle oil: see Oils, mineral							
Spirit: see ethyl alcohol, denatured						1	1
Starch, aqueous ¹	1	1	1	1	1	1	2
Starch syrup	1	1	1	1	1	1	1
Steam to C	x	120	x	x	200	100	200
Stearin (stearic acid)	1	1	1	x	1	2-3	1
Styrene, monomer	3	x	x	x	1	x	x
Sugar, aqueous ¹							
(see also Raw sugar juice)	1	1	1	1	1		
Sulphur, molten, 90 °C	2	1	x	x	1	1	2
Sulphur dioxide: see Sulphurous acid							
Sulphur trioxide	2	3	1	1	1	3	x

Chemical Resistance*	Hose wall resp coating material						
	polyurethane	silicone	VinylPVC	polyethylene	PTFE	Hypalon	Neoprene
1=excellent resistance 2=good resistance 3=mediocre resistance x=not resistant							
Medium							
Sulphuric acid 50%	2	x	1	1	1	1	2
Sulphuric acid 75%	x	x	3	3	1	2	3
Sulphuric acid, conc. (oleum, fuming sulphuric acid)	x	x	x	x	1		x
Sulphuric ether: see Ether							
Sulphurous acid 75% moist	x	3	x	3	1	3	3
Sulphurous acid 10% moist	1	2	x	1	1	2	3
Table salt: see sodium chloride						1	1
Talc: see magnesium silicate						1	1
Tallow	1	1	1	1	1	1	1
Tannic acid (tannin)	3	2	1	1	1	2	2
Tar (see also hot tar)	x	2	2	2	1	x	3
Test benzene=white spirit: see Gasoline							
Tetrachloroethylene (perchloroethylene)	2	x	x	x	1	x	x
Tetrahydrofurane			x	3	1	x	x
Tetraline=tetrahydronaphthalene determine composition						x	x
Tin chloride, aqueous	1	2	1	1	1	2	1
Toluol	x	x	x	x	1	x	x
Town gas, lamp gas (for natural gas, see latter)	3	3	1	1	1	3	x
Transformer oil: see Oils							x
Tributyl phosphate	x		x	1	1	x	x
Trichloromethane: see Chloroform							x
Tricoresyl phosphate	x	1	x	3	1	x	x
Triethanolamine	x	1	x	1	1	3	2
Triethylamine				1	1		2
Trisodium phosphate	3	1	1	1	1	x	3
Turpentine (oil)	x	x	3	3	1	x	x
Turpentine substitute: see Gasoline							
Urine	1	1	1	1	1	1	1
Vaseline: see Oils and greases, minerals							
Vinegar (cooking vinegar)	3	1	1	1	1	1	1
Vinyl acetate			x		1	1	x
Vinyl chloride, monomer	x	x	x	x	1	x	x
Vitriol oil: see Oleum							
Vitriol: see Copper sulphate							
Water drinking or mineral water, distilled, demineralised, desalinated condensed water: does not effect polymers, rather polymers affect water mineral water, CO2 saturated aqua regia: see Aqua Regia seawater							
Weathering	1	1	1	2	1	1	1
White gasoline: see Gasoline							
Wines, red and white ¹	1	1	1	1	1	1	3
Wool fat: see Lanoline							
Xylene	x	x	x	x	1	x	x
Zinc acetate, aqueous	x	x		1	1	x	x
Zinc chloride, aqueous	3	1	1	1	1	1	1
Zinc sulphate, aqueous	3	1	1	1	1	1	1