

Medium + resistant - not resistant	Formula	Carbon Materials			
		without Impreg- nation	with Impregnation		
			Synth. Resin	PTFE	Metal
Acetaldehyde	CH ₃ ·CHO	+	+	+	+
Acetic acid	CH ₃ ·COOH	+	+	+	+
Acetic anhydride	CH ₃ ·(CO) ₂ ·O	+	+	+	+
Acetone	CH ₃ ·CO·CH ₃	+	+	+	+
Acetylene	C ₂ H ₂	+	+	+	+
Acetyl chloride	CH ₃ ·CO·Cl	+	+	+	+
Acrolein	CH ₂ :CH·CHO	+	+	+	+
Air (Gas)		+	+	+	+
Air (Liquid)		+	+	+	+
Alcohols	R·OH	+	+	+	+
Aldehyde	R·CHO	+	+	+	+
Allyl acetone	CH ₂ :CH·CH ₂ ·CH ₂ ·CO·CH ₃	+	+	+	+
Allyl amine	CH ₂ :CH·CH ₂ ·NH ₂	+	+	+	+
Allyl chloride	CH ₂ :CH·CH ₂ ·Cl	+	+	+	+
Aluminium acetate (aq. sol)	Al(CH ₃ COO) ₃ ·aq	+	+	+	+
Aluminium chloride (aq. sol)	AlCl ₃ ·aq	+	+	+	+
Aluminium fluoride (aq. sol)	AlF ₃ ·aq	+	+	+	+
Aluminium nitrate (aq. sol)	Al(NO ₃) ₃ ·aq	+	+	+	+
Aluminium sulphate (aq. sol)	Al ₂ (SO ₄) ₃ ·aq	+	+	+	+
Amines	R·NH ₂	+	+	+	+
Ammonium acetate (aq. sol)	CH ₃ ·COO·NH ₄ ·aq	+	+	+	+
Ammonium carbonate (aq. sol)	(NH ₄) ₂ CO ₃ ·aq	+	+	+	+
Ammonium chloride (aq. sol)	NH ₄ Cl·aq	+	+	+	+
Ammonium nitrate (aq. sol)	NH ₄ NO ₃ ·aq	+	+	+	+
Ammonium sulphate (aq. sol)	(NH ₄) ₂ SO ₄ ·aq	+	+	+	+
Ammonium sulphide	(NH ₄) ₂ S	+	+	+	-
Ammonium sulphite (aq. sol)	(NH ₄) ₂ SO ₃ ·aq	+	+	+	+
Ammonium thiocyanate (aq. sol)	NH ₄ SCN·aq	+	+	+	+
Amyl acetate	CH ₃ ·CO·O·C ₅ H ₁₁	+	+	+	+
Amyl alcohol	C ₅ H ₁₁ ·OH	+	+	+	+
Aniline	C ₆ H ₅ ·NH ₂	+	+	+	+
Argon	Ar	+	+	+	+
Arsenic acid	H ₃ AsO ₄	+	+	+	+
Arsenious acid	H ₃ AsO ₃	+	+	+	+
Barium chloride (aq. sol)	BaCl ₂ ·aq	+	+	+	+

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Beer	a)	+	+	+	+
Benzaldehyde	$C_6H_5 \cdot CHO$	+	+	+	+
Benzene	C_6H_6	+	+	+	+
Benzene-sulphonic acid	$C_6H_5 \cdot SO_3H$	+	+	+	+
Benzoic acid	$C_6H_5 \cdot COOH$	+	+	+	+
Benzyl chloride	$C_6H_5 \cdot CH_2 \cdot Cl$	+	+	+	+
Borax solution (aqueous)	$Na_2B_4O_7 \cdot 10H_2O \cdot aq$	+	+	+	+
Boric acid (aq. sol)	$H_3BO_3 \cdot aq$	+	+	+	+
Butadiene (Gas)	$CH_2:CH \cdot CH:CH_2$	+	+	+	+
Butane (Gas)	C_4H_{10}	+	+	+	+
Buttermilk	a)	+	+	+	-
Butyl acetate	$CH_3 \cdot CO \cdot O \cdot C_4H_9$	+	+	+	+
Butyl alcohol	C_4H_9OH	+	+	+	+
Butyl acrylate	$CH_2:CH \cdot CO \cdot O \cdot C_4H_9$	+	+	+	+
Butyl phosphate	b)	+	+	+	+
Butylene (Gas)	C_4H_8	+	+	+	+
Butyric acid	$CH_3 \cdot CH_2 \cdot CH_2 \cdot COOH$	+	+	+	+
Calcium bisulphite	$Ca(HSO_3)_2$	+	+	+	+
Calcium chloride (aq. sol)	$CaCl_2 \cdot aq$	+	+	+	+
Calcium hydroxide (aq. sol)	$Ca(OH)_2 \cdot aq$	+	+	+	+
Calcium nitrate (aq. sol)	$Ca(NO_3)_2 \cdot aq$	+	+	+	+
Calcium phosphate (aq. sol)	$CaHPO_4 \cdot aq$	+	+	+	+
Calgonit (purifying agent)		+	+	+	+
Camphor	b)	+	+	+	+
Caprolactam	b)	+	+	+	+
Carbon disulphide	CS_2	+	+	+	+
Carbon dioxide (Gas)	CO_2	+	+	+	+
Carbonic acid (liquid)	CO_2	+	+	+	+
Carbon monoxide (Gas)	CO	+	+	+	+
Carbon tetrachloride	CCl_4	+	+	+	+
Castor oil	a)	+	+	+	+
Cellulose	a)	+	+	+	+
Chloracetic acids	$CH_2 \cdot Cl \cdot COOH$	+	+	+	+
Chlorobenzene	$C_6H_5 \cdot Cl$	+	+	+	+
Chloronaphthalene	$C_{10}H_9 \cdot Cl$	+	+	+	+
Chloronitrobenzene	$C_6H_4 \cdot NO \cdot Cl$	+	+	+	+
Chrome alum (aq. sol)	$KCr(SO_4)_2 \cdot aq$	+	+	+	+
Citric acid	b)	+	+	+	+

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Copper acetate (aq. sol)	$\text{Cu}(\text{CH}_3\text{COO})_2 \cdot \text{aq}$	+	+	+	+
Creosote	a)	+	+	+	+
Cresol	b)	+	+	+	+
Crotonaldehyde	$\text{CH}_3 \cdot \text{CH} : \text{CH} \cdot \text{CHO}$	+	+	+	+
Cyanogen chloride	$\text{Cl} \cdot \text{CN}$	+	+	+	-
Cyclohexamine	$\text{C}_6\text{H}_{11} \cdot \text{NH}_2$	+	+	+	+
Cyclohexane	C_6H_{12}	+	+	+	+
Cyclohexane hexachloride	$\text{C}_6\text{H}_6\text{Cl}_6$	+	+	+	+
Detergents		+	+	+	+
Dichlorobenzene	$\text{C}_6\text{H}_4\text{Cl}_2$	+	+	+	+
Dichlorobutane	$\text{C}_4\text{H}_8\text{Cl}_2$	+	+	+	+
Dichloroethane	$\text{CH}_2\text{Cl} \cdot \text{CH}_2\text{Cl}$	+	+	+	+
Diesel fuel	a)	+	+	+	+
Diethylaniline	$\text{C}_6\text{H}_5 \cdot \text{N}(\text{C}_2\text{H}_5)_2$	+	+	+	+
Diethylamine	$\text{NH}(\text{C}_2\text{H}_5)_2$	+	+	+	+
Dimethyl formamide	$\text{HCN}(\text{CH}_3)_2$	+	+	+	+
Dioxane	b)				
Diphenyl	$\text{C}_6\text{H}_5 \cdot \text{C}_6\text{H}_5$	+	+	+	+
Diphenyl oxide	$(\text{C}_6\text{H}_5)_2\text{O}$	+	+	+	+
Diphyl (Heat exchange fluid)		+	-	+	+
Dowtherm (Heat exchange fluid)		+	+	+	+
Essential amino acids	$\text{R} \cdot \text{CH} \cdot \text{NH}_2 \cdot \text{COOH}$	+	+	+	+
Ethane	C_2H_6	+	+	+	+
Ethanol	$\text{C}_2\text{H}_5 \cdot \text{OH}$	+	+	+	+
Ether	$(\text{C}_2\text{H}_5)_2 \cdot \text{O}$	+	+	+	+
Ethyl acetate	$\text{CH}_3 \cdot \text{CO} \cdot \text{O} \cdot \text{C}_2\text{H}_5$	+	+	+	+
Ethyl alcohol	$\text{C}_2\text{H}_5 \cdot \text{OH}$	+	+	+	+
Ethyl amine	$\text{C}_2\text{H}_5 \cdot \text{NH}_2$	+	+	+	+
Ethylene	C_2H_4	+	+	+	+
Ethylene chloride	$\text{CH}_2 \cdot \text{Cl} \cdot \text{CH}_2 \cdot \text{Cl}$	+	+	+	+
Ethylene glycol (aq. sol)	$\text{CH}_2 \cdot \text{CH} \cdot \text{CH}_2 \cdot \text{OH} \cdot \text{aq}$	+	+	+	+
Ethylene oxide	b)				
Fatty acids	$\text{C}_n\text{H}_{2n+1} \cdot \text{COOH}$	+	+	+	+
Fatty acid sulphonates	b)	+	+	+	+
Fatty alcohols	$\text{C}_n\text{H}_{2n+1} \cdot \text{CH}_2\text{OH}$	+	+	+	+

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Ferric chloride (aq. sol)	$\text{FeCl}_3 \cdot \text{aq}$	+	+	+	+
Ferrous sulphate (aq. sol)	$\text{FeSO}_4 \cdot \text{aq}$	+	+	+	+
Formaldehyde	HCHO	+	+	+	+
Formalin (40% in water)	(HCHO)	+	+	+	+
Formic acid	HCOOH	+	+	+	+
Freon		+	+	+	+
Frigene (refrigerant)		+	+	+	+
Fruit juices	a)	+	+	+	-
Furfural	b)	+	+	+	+
Gallic acid	b)	+	+	+	+
Gas oil	a)	+	+	+	+
Gelatine	a)	+	+	+	+
Glucose	b)	+	+	+	+
Glycerol	$\text{CH}_2\text{OH} \cdot \text{CHOH} \cdot \text{CH}_2\text{OH}$	+	+	+	+
Glycol	$\text{CH}_2\text{OH} \cdot \text{CH}_2\text{OH}$	+	+	+	+
Glycol acetate	$\text{CH}_3 \cdot \text{CO} \cdot \text{OCH}_2 \cdot \text{CH}_2\text{O} \cdot \text{CO} \cdot \text{CH}_3$	+	+	+	+
Glystantin (anti-freeze)		+	+	+	+
Helium gas	He	+	+	+	+
Hexane	C_6H_{14}	+	+	+	+
Hydrogen cyanide	HCN	+	+	+	+
Hydrogen	H_2	+	+	+	+
Hydroquinone	$\text{C}_6\text{H}_4(\text{OH})_2$	+	+	+	+
Ink	a)	+	+	+	+
Isoamyl alcohol	$\text{C}_5\text{H}_{11}\text{OH}$	+	+	+	+
Isopropylacetate	$\text{CH}_3 \cdot \text{CO} \cdot \text{OC}_3\text{H}_7$	+	+	+	+
Isopropylamine	$\text{C}_3\text{H}_7 \cdot \text{NH}_2$	+	+	+	+
Lactic acid	$\text{CH}_3 \cdot \text{CH}(\text{OH}) \cdot \text{COOH}$	+	+	+	-
Latex	a)	+	+	+	+
Lauric acid	$\text{CH}_3(\text{CH}_2)_{10} \cdot \text{COOH}$	+	+	+	+
Linoleic acid	b)	+	+	+	+
Linseed oil	a)	+	+	+	+
Magnesium chloride (aq. sol)	$\text{MgCl}_2 \cdot \text{aq}$	+	+	+	+
Magnesium sulphate (aq. sol)	$\text{MgSO}_4 \cdot \text{aq}$	+	+	+	+
Maleic acid	$\text{HOOC} \cdot \text{CH} : \text{CH} \cdot \text{COOH}$	+	+	+	+

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Maleic acid anhydride	b)	+	+	+	+
Manganese sulphate (aq. sol)	$MnSO_4 \cdot aq$	+	+	+	+
Manganic chloride (aq. sol)	$MnCl_2 \cdot aq$	+	+	+	+
Mercaptans	C_2H_5SH	+	+	+	+
Mercuric chloride (aq. sol)	$HgCl_2 \cdot aq$	+	+	+	-
Mercuric nitrate (aq. sol)	$Hg(NO_3)_2 \cdot aq$	+	+	+	-
Mercury	Hg	+	+	+	-
Methane (gas)	CH_4	+	+	+	+
Methanol	CH_3OH	+	+	+	+
Methylacetate	$CH_3 \cdot CO \cdot OCH_3$	+	+	+	+
Methylalcohol	See Methanol	+	+	+	+
Methylamine	$CH_3 \cdot NH_2$	+	+	+	+
Methylchloride	CH_3CL	+	+	+	+
Methylethylketone	$CH_3 \cdot NH \cdot C_2H_5$	+	+	+	+
Methylene chloride	CH_2Cl_2	+	+	+	+
Milk	a)	+	+	+	+
Mineral oils	a)	+	+	+	-
Mobiltherm (Heat exchange fluid)		+	+	+	+
Molasses	a)	+	+	+	+
Monochloroacetic acid	$CH_2 \cdot Cl \cdot COOH$	+	+	+	+
Monochlorobenzene	C_6H_5Cl	+	+	+	+
Monovinyl acetate	$CH_2 \cdot CO \cdot OCH \cdot CH_2$	+	+	+	+
Nitrobenzene	$C_6H_5NO_2$	+	+	+	+
Nitrogen gas	N_2	+	+	+	+
Nitrogen liquid	N_2	+	+	+	+
Nitrophenol (Solid)	$C_6H_4 \cdot OH \cdot NO_2$	+	+	+	+
Octane	C_8H_{18}	+	+	+	+
Octanol	$C_8H_{17}OH$	+	+	+	+
Octylalcohol	See Octanol	+	+	+	+
Oil	a)	+	+	+	+
Oil, crude	a)	+	+	+	+
Oleic acid	b)	+	+	+	+
Oxalic acid (aq. sol)	$(COOH)_2 \cdot aq$	+	+	+	+
Oxygen gas	O_2	+	+	+	+

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Palmitic acid	$\text{CH}_3(\text{CH}_2)_{14}\cdot\text{COOH}$	+	+	+	+
Paraffin Liquid	$\text{C}_n\text{H}_{2n+2}$	+	+	+	+
Paraldehyde	See Acetaldehyde	+	+	+	+
Peristol (dye)		+	+	+	-
Petrols	a)	+	+	+	+
Petroleum ether	a)	+	+	+	+
Petroleum oil	a)	+	+	+	+
Phenol (liquid)	$\text{C}_6\text{H}_5\text{OH}\cdot\text{aq}$	+	+	+	+
Phthalic anhydride	b)	+	+	+	+
Picric acid (aq. sol)	b)	+	+	+	+
Potassium alum (aq. sol)	$\text{KAl}(\text{SO}_4)_2\cdot\text{aq}$	+	+	+	+
Potassium bifluoride (aq. sol)	$\text{KF}\cdot\text{aq}$	+	+	+	+
Potassium bromide (aq. sol)	$\text{KBr}\cdot\text{aq}$	+	+	+	+
Potassium carbonate (aq. sol)	$\text{K}_2\text{CO}_3\cdot\text{aq}$	+	+	+	+
Potassium chloride (aq. sol)	$\text{KCl}\cdot\text{aq}$	+	+	+	+
Potassium nitrate (aq. sol)	$\text{KNO}_3\cdot\text{aq}$	+	+	+	+
Potassium oxalate (aq. sol)	$(\text{COOK})_2\cdot\text{aq}$	+	+	+	+
Potassium sulphate (aq. sol)	$\text{K}_2\text{SO}_4\cdot\text{aq}$	+	+	+	+
Potassium sulphite (aq. sol)	$\text{K}_2\text{SO}_3\cdot\text{aq}$	+	+	+	+
Propane (gas)	C_3H_8	+	+	+	+
Propanol	$\text{C}_3\text{H}_7\text{OH}$	+	+	+	+
Propionic acid	$\text{CH}_3\cdot\text{CH}_2\cdot\text{COOH}$	+	+	+	+
Propylalcohol	see Propanol	+	+	+	+
Propylene (Gas)	C_3H_6	+	+	+	+
Pyridine	$\text{C}_5\text{H}_5\text{N}$	+	+	+	+
Rape seed oil	a)	+	+	+	+
Salad oil	a)	+	+	+	+
Salicylic acid	$\text{C}_6\text{H}_4\cdot\text{OH}\cdot\text{COOH}$	+	+	+	-
Silicon tetrachloride	SiCl_4	+	+	+	+
Silicone fluids	a)	+	+	+	+
Silver cyanide (aq. sol)	$\text{AgCN}\cdot\text{aq}$	+	+	+	-
Silver nitrate (aq. sol)	$\text{AgNO}_3\cdot\text{aq}$	+	+	+	-

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Soap solutions	a)	+	+	+	+
Soda (aq. sol)	$\text{Na}_2\text{CO}_3 \cdot \text{aq}$	+	+	+	+
Sodium acetate (aq. sol)	$\text{CH}_3\text{COONa} \cdot \text{aq}$	+	+	+	+
Sodium bicarbonate (aq. sol)	$\text{NaHCO}_3 \cdot \text{aq}$	+	+	+	+
Sodium bisulphate (aq. sol)	$\text{NaHSO}_4 \cdot \text{aq}$	+	+	+	+
Sodium bisulphite (aq. sol) (wood pulp digestive liquid)	$\text{NaHSO}_3 \cdot \text{aq}$	+	+	+	+
Sodium bromide (aq. sol)	$\text{NaBr} \cdot \text{aq}$	+	+	+	+
Sodium carbonate (aq. sol)	$\text{Na}_2\text{CO}_3 \cdot \text{aq}$	+	+	+	+
Sodium chloride (aq. sol)	$\text{NaCl} \cdot \text{aq}$	+	+	+	+
Sodium cyanide (aq. sol)	$\text{NaCN} \cdot \text{aq}$	+	+	+	+
Sodium nitrate (aq. sol)	$\text{NaNO}_3 \cdot \text{aq}$	+	+	+	+
Sodium oxalate (aq. sol)	$(\text{COONa})_2 \cdot \text{aq}$	+	+	+	+
Sodium perborate (aq. sol)	$\text{NaBO}_3 \cdot \text{aq}$	+	+	+	+
Sodium phosphate (aq. sol)	$\text{Na}_3\text{PO}_4 \cdot \text{aq}$	+	+	+	+
Sodium sulphide (aq. sol)	$\text{Na}_2\text{S} \cdot \text{aq}$	+	+	+	+
Sodium sulphate (aq. sol)	$\text{Na}_2\text{SO}_4 \cdot \text{aq}$	+	+	+	+
Sodium sulphite (aq. sol)	$\text{Na}_2\text{SO}_3 \cdot \text{aq}$	+	+	+	+
Sodium tartrate	$\text{C}_4\text{H}_4\text{O}_6\text{Na}_2 \cdot \text{aq}$	+	+	+	+
Sodium thiosulphate (aq. sol) (fixing salt)	$\text{Na}_2\text{S}_2\text{O}_3 \cdot \text{aq}$	+	+	+	+
Somat (cleaning agent)		+	+	+	+
Spirit of wine	see Ethanol	+	+	+	+
Spirits	see Ethanol	+	+	+	+
Stearic acid	$\text{CH}_3(\text{CH}_2)_{16}\text{COOH}$	+	+	+	+
Sugar solutions	a)	+	+	+	+
Sulphate liquor	a)	+	+	+	+
Sulphite liquor (aq. sol)	$\text{NaHSO}_3 \cdot \text{aq}$	+	+	+	+
Sulphonic acids	$\text{R} \cdot \text{SO}_3\text{H}$	+	+	+	+
Tannic acid	a)	+	+	+	+
Tannic acid (aq. sol)	b)	+	+	+	+

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Tar oil	a)	+	+	+	+
Tartaric acid (aq. sol)	$\text{COOH} \cdot (\text{CHOH}) \cdot \text{COOH} \cdot \text{aq}$	+	+	+	+
Tetrachloroethane	$\text{CHCl}_2 \cdot \text{CHCl}_2$	+	+	+	+
Tin (stannic) chloride	SnCl_4	+	+	+	+
Titanium tetrachloride	TiCl_4	+	+	+	+
Toluene	$\text{C}_6\text{H}_5 \cdot \text{CH}_3$	+	+	+	+
Trichloroacetic acid	$\text{CCl}_3 \cdot \text{COOH}$	+	+	+	+
Trichloroethylene	$\text{CCl}_2 \cdot \text{CHCl}$	+	+	+	+
Trisodium phosphate (aq. sol)	$\text{Na}_3\text{PO}_4 \cdot \text{aq}$	+	+	+	+
Turpentine	a)	+	+	+	+
Vinegar of wine	see Acetic acid	+	+	+	+
Vinyl chloride	$\text{CH}_2 \cdot \text{CH} \cdot \text{Cl}$	+	+	+	+
Vinylethylether	$\text{CH}_3 \cdot \text{CH}_2 \cdot \text{O} \cdot \text{CH} \cdot \text{CH}_2$	+	+	+	+
Viscose					
Water	H_2O	+	+	+	+
Water, sea	a)	+	+	+	+
Water, boiler feed	H_2O	+	+	+	+
Water gas	H_2 -, CO -, CO_2 -mixture	+	+	+	+
Whey	a)	+	+	+	-
Wine	see Ethanol	+	+	+	+
Xylenes	$\text{C}_6\text{H}_4(\text{CH}_3)_2$	+	+	+	+
Zinc chloride (aq. sol)	$\text{ZnCl}_2 \cdot \text{aq}$	+	+	+	+