CHEMICAL COMPATIBILITY TABLE

EMEC Chemical Compatibility Table

Solenoid driven metering pumps are widely used to dose chemical fluids and it is important that the most suitable material in contact with fluid isselected for each application. This compatibility table serves as a useful help in this respect. All the informations in this list are verified periodically andbelieved to be correct on the date of issuance. All the informations in this list are based on manufacturer's data and our own experience butsince the resistance of any material depends by several factors this list is supplied only as an initial guide, in no way EMEC makes warranties of any matter respect to the informations provided in this list.

Resistance rating

Resistant	1
Fairly resistant	2
Not resistant	3
Not enough data known	-

Materials

Polyvinyldene fluoride	PVDF	Pump Heads, valves, fitting, tubing
Polypropylene	PP	Pump Heads, valves, fitting, level floater
PVC	PVC	Pump Heads
Stainless steel	SS 316	Pump Heads, valves
Polymethyl Metacrilate (Acrylic)	PMMA	Pump Heads
Hastelloy C-276	Hastelloy	Injection valve spring
Polytetrafluoroethylene	PTFE	Diaphragm
Fluorocarbon (Viton® B)	FPM	Sealings
Ethylene propylene	EPDM	Sealings
Nitrile	NBR	Sealings
Polyethylene	PE	Tubing

Rel:29/01/04

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Chemical	Formula	PVDF	PP	PVC	SS 316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE
Acetaldehyde	CH_3CHO	3	2	3	1	3	1	1	3	2	3	1
Acetamide	CH_3CONH_2	1	1	1	1	1	-	1	2	1	2	1
Acetic Acid	CH_3COOH	1	1	2	2	3	1	1	3	1	3	1
Acetic Acid, Max 75%	CH_3COOH	1	1	1	1	1	1	1	3	1	3	1
Acetic Anhydride	$(CH_3CO)_2O$	3	3	3	1	3	1	1	3	2	3	3
Acetone (Dimethyl Ketone)	CH_3COCH_3	2	1	3	1	3	1	1	3	1	3	1
Acetophenone	$C_6H_5COCH_3$	1	1	-	1	3	1	1	3	1	3	1
Acetyl Chloride	CH_3COCl	2	3	1	1	3	1	1	1	3	3	3
Acetylacetone	$CH_3COCH_2COCH_2$	3	1	3	1	3	-	1	3	1	3	1
Acrylonitrile	CH_2=CH-CN	2	1	3	1	1	1	1	3	3	3	1
Adipic Acid	$HOOC(CH_2)_4COOH$	1	1	1	1	1	1	1	1	1	1	1
Allyl Alcohol	CH_2CHCH_2OH	1	1	2	1	3	1	1	2	1	2	1
Alcohol, Amyl	$CH_3(CH_2)_3CH_2OH$	1	1	1	1	3	1	1	1	1	2	1
Alcohol, Benzyl	$C_6H_5CH_2OH$	1	1	3	1	3	1	1	1	3	-	1
Alcohol, Butyl	C_4H_9OH	1	1	2	1	3	1	1	1	2	3	1
Alcohol, Diacetone	$C_6H_{12}O_2$	1	1	3	1	3	1	1	3	1	2	1
Alcohol, Ethyl	CH_3CH_2OH	1	1	3	1	3	1	1	3	1	3	1
Alcohol, Isopropyl	$(CH_3)_2CHOH$	1	1	1	1	2	1	1	3	1	2	1
Alcohol, Methyl	CH_3OH	1	1	1	1	3	1	1	1	1	2	1
Aluminium Acetate	$Al(CH_3COO)_3$	1	1	1	1	1	2	1	3	1	2	1
Aluminium Ammonium Sulfate	$NH_4Al(SO_4)_2$	1	1	1	1	1	1	1	1	1	1	1
Aluminium Bromide	$AlBr_3$	1	1	1	-	1	1	1	1	1	1	1
Aluminium Chloride	$AlCl_3$	1	1	1	1	1	1	1	1	1	1	1
Aluminium Fluoride	AlF_3	1	1	1	3	1	2	1	1	1	1	1
Aluminium Hydroxide	$Al(OH)_3$	1	1	1	1	1	1	1	1	1	2	1
Aluminium Nitrate	$Al(NO_3)_3$	1	1	1	1	1	1	1	1	1	1	1
Aluminium Phosphate	$AlPO_4$	1	1	1	1	1	1	1	1	1	1	1
Aluminium Sulphate	$Al_2(SO_4)_3$	1	1	1	1	1	1	1	1	1	1	1
Alums		1	1	1	2	1	1	1	1	-	-	1
Amines	$R\text{-}NH_2$	2	1	3	1	-	1	1	3	2	4	1
Ammonium Acetate	CH_3COONH_4	1	1	2	1	1	1	1	3	1	1	1
Ammonium Bicarbonate	NH_4HCO_3	1	1	1	1	1	1	1	3	1	3	1
Ammonium Carbonate	$(NH_4)_2CO_3$	1	1	1	1	2	1	1	1	1	1	1
Ammonium Chloride (Salmiac)	NH_4Cl	1	1	1	2	3	2	1	1	1	1	1
Ammonium Flouride	NH_4F	1	1	1	1	1	1	1	1	1	1	1
Ammonium Hydroxide (Liquid Ammonia)	NH_4OH	1	1	1	1	1	1	1	3	1	3	1
Ammonium Nitrate	NH_4NO_3	1	1	1	1	1	1	1	1	1	1	1
Ammonium Oxalate	$(COONH_4)_2*H_2O$	1	1	1	1	1	1	1	1	1	3	1
Ammonium Perchlorate	NH_4ClO_4	1	1	1	1	1	1	1	1	1	3	1
Ammonium Peroxodisulphate	$(NH_4)_2S_2O_8$	1	1	1	3	1	2	1	1	1	-	1
Ammonium Phosphate	$(NH_4)_3PO_4$	1	1	1	3	1	1	1	1	1	1	1
Methyl Isobutyl Ketone	$CH_3COC_4H_9$	1	1	3	1	3	1	1	3	3	3	1

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Chemical	Formula	PVDF	PP	PVC	SS 316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE
Barium Carbonate	$BaCO_3$	1	1	1	1	1	1	1	1	1	3	1
Barium Chloride	$BaCl_2$	1	1	1	3	1	1	1	1	1	1	1
Barium Hydroxide	$Ba(OH)_2$	1	1	1	1	1	1	1	1	1	1	1
Barium Nitrate	$Ba(NO_3)_2$	1	1	1	1	1	1	1	1	1	3	1
Barium Sulphate	$BaSO_4$	1	1	1	1	1	1	1	1	1	1	1
Barium Sulphide	BaS	1	1	1	1	1	1	1	1	1	1	1
Chemical	**Formula**	**PVDF**	**PP**	**PVC**	**SS 316**	**PMMA**	**Hastelloy**	**PTFE**	**FPM**	**EPDM**	**NBR**	**PE**
Beer		1	1	1	1	1	1	1	1	1	1	1
Beet Sugar Liquors		1	1	1	1	1	-	1	1	1	1	1
Benzaldehyde	C_6H_5CHO	1	1	3	1	3	1	1	3	1	3	3
Benzene	C_6H_6	1	3	3	1	3	1	1	1	3	3	3
Benzene Sulphonic Acid	$C_6H_5SO_3H$	1	1	-	1	-	1	1	1	3	3	-
Benzoic Acid	C_6H_5COOH	1	1	2	2	1	2	1	1	1	1	1
Benzoyl Chloride	C_6H_5COCl	1	3	-	2	3	1	1	1	1	-	3
Benzyl Benzoate	$C_6H_5COOC_7H_7$	3	1	3	1	3	1	1	1	3	3	1
Benzyl Chloride	$C_6H_5CH_2Cl$	1	3	3	2	3	1	1	1	3	3	3
Bismuth Carbonate		1	1	1	-	1	-	1	1	1	3	1
Bitter Salt (Magnesium Sulphate)		1	1	1	1	1	2	1	1	1	-	1
Black Liquor		1	1	1	2	1	-	1	1	1	2	1
Bleach 5.25% Active Chlorine		1	1	1	3	1	1	1	1	1	2	1
Blue Vitriol (Copper Sulphate)		1	1	1	1	1	1	1	1	1	1	1
Borax TM (Sodium Tetraborate)		1	1	1	2	1	1	1	1	1	-	1
Boric Acid	H_3BO_3	1	1	1	2	1	1	1	1	1	1	1
Brine		1	1	2	2	1	1	1	1	1	1	1
Bromine	Br_2	1	3	3	3	3	1	1	1	3	3	3
Bromine Water	$Br_2 + H_2O$	1	3	2	3	3	-	1	1	3	3	3
Bromic Acid	$HBrO_3$	1	1	1	-	-	-	1	3	1	3	1
Bromo Benzene	C_6H_5Br	1	3	-	1	-	1	1	1	3	3	3
Bromochloro Methane	CH_2BrCl	1	3	3	1	3	1	1	2	2	-	3
Bromochlorotrifluoro Ethane	$HCClBrCF_3$	1	3	3	1	3	1	1	1	3	-	3
Butanediol	HOC_4H_8OH	1	1	1	1	-	1	1	3	1	1	1
Butanetriol	$C_4H_{10}O_3$	1	1	1	1	1	1	1	3	1	-	1
Butanol (Buthil Alcohol)	C_4H_9OH	1	1	1	1	3	1	1	3	2	3	1
Butyl Acetate	$CH_3COOC_4H_9$	1	3	3	1	3	1	1	3	2	3	3
Butyl Acrylate	$C_7H_{13}O_2$	1	1	3	1	3	1	1	3	3	3	1
Butyl Amine	$C_4H_9NH_2$	3	3	3	2	3	1	1	3	3	1	2
Butyl Benzoate	$C_6H_5COOC_4H_9$	-	3	3	1	3	1	1	1	1	3	3

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Chemical	Formula	PVDF	PP	PVC	SS 316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE
Butyl Bromide		1	3	3	2	3	-	1	-	-	-	3
Butyl Chloride		1	3	3	2	3	-	1	1	3	1	3
Butyl Mercaptane	C_4H_9SH	1	-	-	-	-	-	1	2	3	3	-
Butyl Oleate	$C_{22}H_{42}O_2$	1	-	-	1	-	1	1	1	2	3	-
Butyl Stearate	$C_{22}H_{44}O_2$	1	-	-	1	3	1	1	1	3	2	-
Butyraldehyde	C_3H_7CHO	-	1	-	1	-	1	1	3	2	3	1
Butyric Acid	C_3H_7COOH	1	1	3	1	3	1	1	1	1	1	1
Calcium Acetate	$(CH_3COO)_2Ca$	-	1	1	1	1	1	1	3	1	2	1
Calcium Bisulphite	$Ca(HSO_3)_2$	1	1	1	1	1	1	1	1	1	1	1
Calcium Carbonate	$CaCO_3$	1	1	1	1	1	1	1	1	1	1	1
Calcium Chlorate	$Ca(ClO_3)_2$	1	1	-	1	1	-	1	-	-	3	1
Calcium Chloride	$CaCl_2$	1	1	1	3	1	1	1	1	1	1	1
Calcium Cyanide	$Ca(CN)_2$	1	1	1	-	1	-	1	1	1	1	1
Calcium Hydroxide (Lime Milk) (Slaked Lime)	$Ca(OH)_2$	1	1	1	1	1	1	1	1	1	1	1
Calcium Hypochlorite (Chlorinated Lime)	$Ca(OCl)_2$	1	1	1	3	1	1	1	1	1	3	1
Calcium Nitrate (Nitrate of Lime)	$Ca(NO_3)_2$	1	1	1	1	1	1	1	1	1	1	1
Calcium Phosphate	$Ca_3(PO_4)_2$	1	1	1	1	1	1	1	1	1	1	1
Calcium Sulphate (Gypsum)	$CaSO_4$	1	1	1	1	1	1	1	2	1	3	1
Calcium Sulphide	CaS	1	1	1	-	1	1	1	1	1	1	1
Calcium Sulphite	$CaSO_3$	1	1	1	1	1	1	1	1	1	1	1
Calcium Thiosulphate	CaS_2O_3	1	1	1	3	1	1	1	1	1	2	1
Carbon Disulphide	CS_2	1	3	3	2	3	1	1	1	3	3	3
Carbon Tetrachloride (Tetrachloromethane)	CCl_4	1	3	2	1	3	1	1	1	3	3	3
Carbonic Acid	H_2CO_3	1	1	1	1	1	1	1	1	1	2	1
Castor Oil		1	1	1	1	1	-	1	1	2	1	1
Chloral Hydrate	CCl_3-$CH(OH)_2$	1	-	-	-	-	-	1	1	2	3	-
Chloric Acid	$HClO_3$	1	3	1	3	1	1	1	3	2	3	2
Chlorine Dioxide Solution	$ClO_2 + H_2O$	1	2	1	3	3	1	1	1	3	3	2
Chlorine Water	$Cl_2 + H_20$	1	2	1	3	3	1	1	1	1	3	2
Chloroacetic Acid	$ClCH_2COOH$	1	3	3	3	-	1	1	3	2	3	3
Chlorox TM (Bleach 5.25% Active)		1	1	1	3	1	1	1	1	1	2	1
Chlorobenzene	C_6H_5Cl	1	1	3	1	3	1	1	1	3	3	3
Chloroethanol	$ClCH_2CH_2OH$	3	1	3	1	3	1	1	3	3	-	1
Chloroethylbenzene	$C_6H_4ClC_2H_5$	-	3	3	1	3	1	1	1	3	2	3
Clorophenole	C_6H_4OHCl	1	1	-	1	3	1	1	-	3	-	1
Chlorotoluene	C_7H_8Cl	1	-	3	1	3	1	1	1	3	-	-
Chloroacetone	$ClCH_2COCH_3$	-	-	3	1	3	1	1	3	1	-	-
Clorobutadiene (Chloroprene)	C_4H_5Cl	-	-	3	1	3	1	1	1	3	-	-

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Chemical	Formula	PVDF	PP	PVC	SS 316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE
Chloroform (Trichloromethane)	$CHCl_3$	1	3	3	1	3	1	1	1	3	3	3
Chlorohydrin	C_3H_5OCl	3	1	-	1	3	1	1	1	3	-	1
Chlorosulphonic Acid	$SO_2(OH)Cl$	3	3	2	3	3	1	1	3	3	3	3
Chromic Acid, 50%	H_2CrO_4	1	1	1	3	3	3	1	1	3	3	1
Chromic Acid, 30%	H_2CrO_4	1	1	1	2	3	3	1	1	3	3	1
Chromic Acid, 10%	H_2CrO_4	1	1	1	1	3	1	1	1	3	3	1
Chromic-Sulphuric Acid	$K_2CrO_4 + H_2SO_4$	1	3	1	-	3	-	1	-	-	3	3
Chromium Sulphate	$Cr_2(SO_4)_3$	1	1	1	1	1	1	1	1	1	-	1
Citric Acid	$C_6H_8O_7$	1	1	1	1	1	1	1	1	1	1	1
Cobalt Chloride	$CoCl_2$	1	1	1	3	1	1	1	1	1	1	1
Copper-II-Acetate	$Cu(CH_3COO)_2$	1	1	1	1	1	1	1	3	1	2	1
Copper-II-Arsenite	$Cu_3(AsO_3)_2$	1	1	1	1	1	1	1	1	1	-	1
Copper-II-Carbonate	$CuCO_3$	1	1	1	1	1	1	1	1	1	1	1
Copper-II-Chloride	$CuCl_2$	1	1	1	-	1	1	1	1	1	1	1
Copper-II-Cyanide	$Cu(CN)_2$	1	1	1	1	1	1	1	1	1	1	1
Copper-II-Fluoride	CuF_2	1	1	1	1	1	1	1	1	1	-	1
Copper -II-Nitrate	$Cu(NO_3)_2$	1	1	1	1	1	2	1	1	1	1	1
Copper-II-Sulphate (Roman Vitriol)	$CuSO_4$	1	1	1	1	1	1	1	1	1	1	1
Corn Oil		1	1	1	1	1	-	1	1	-	1	1
Cottonseed Oil		1	1	1	1	1	-	1	1	2	1	1
Cresol (Metyl Phenol)		1	3	3	1	3	1	1	1	3	-	3
Cresylic Acid	$C_6H_4CH_3OH$	1	1	2	1	3	2	1	1	3	3	1
Crotonaldehyde	$CH_3C_2H_2CHO$	1	1	3	1	-	1	1	3	1	3	1
Crude Oil		1	3	-	2	-	-	1	1	3	2	3
Cyclo Hexane	C_6H_{12}	1	1	3	1	1	3	1	1	3	1	1
Cyclohexanole (Cyclohexyl Alcohol)	$C_6H_{11}OH$	1	1	2	1	3	1	1	1	3	1	1
Cyclohexanone	$C_6H_{10}O$	1	1	3	1	3	1	1	3	2	3	1
Cyclohexylamine	$C_6H_{11}NH_2$	-	-	-	1	-	1	1	3	3	1	-
Decahydronaphthalene (Decaline)	$C_{10}H_{18}$	1	3	2	-	3	1	1	3	3	3	3
Detergents, General		1	1	1	1	1	1	1	1	3	-	1
Diacetone alcohol	$C_6H_{12}O_2$	1	1	3	1	3	1	1	3	1	2	1
Dibromoethane (Ethylene Dibromide)	$C_2H_4Br_2$	1	-	3	1	3	1	1	1	3	-	3
Dybutil Ether	$C_4H_9OC_4H_9$	1	1	3	1	3	1	1	3	3	3	1
Dibutyl Phthalate	$C_{16}H_{22}O_4$	1	1	3	1	3	1	1	1	2	3	3
Dibutylamine	$(C_4H_9)_2NH$	1	1	-	1	-	1	1	3	3	-	1
Dichloroacetic acid	$Cl_2CHCOOH$	1	1	1	1	3	1	1	3	1	3	1
Dichlorobenzene	$C_6H_4Cl_2$	1	3	3	1	3	1	1	1	3	3	3

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Dichlorobutane	$C_4H_8Cl_2$	1	3	3	1	3	1	1	1	3	3	3
Dichlorobutene	$C_4H_6Cl_2$	1	3	3	1	3	1	1	1	3	3	3
Dichloroethane (Ethylene Dichloride)	$C_2H_4Cl_2$	1	3	3	1	3	1	1	1	3	3	3
Dichloroethylene (Acethylene Dichloride)	$C_2H_2Cl_2$	1	3	3	1	3	1	1	1	3	3	3
Dichloro Methane (Methylene Chloride)	CH_2Cl_2	3	3	3	3	3	1	1	1	3	3	3
Dichloroisopropyl Ether	$(C_3H_6Cl)_2O$	-	3	3	1	3	1	1	3	3	-	3
Dicyclohexylamine	$(C_6H_{12})_2NH$	-	3	3	1	3	1	1	3	3	-	3
Diesel Fuel		1	1	1	1	1	1	1	1	-	1	3
Diethylene Glycol	$C_4H_{10}O_3$	1	1	1	1	1	1	1	1	1	1	1
Diethyleneglycolethyl Ether	$C_8H_{18}O_3$	1	1	-	1	-	1	1	-	2	-	1
Diethylether	$C_2H_5OC_2H_5$	1	3	3	1	3	1	1	3	3	3	3
Diglycolic Acid	$C_4H_6O_5$	1	1	1	1	1	1	1	2	1	3	1
Dihexyl Phthalate	$C_{20}H_{26}O_4$	1	1	3	1	3	1	1	3	-	3	1
Diisobutylketone	$C_9H_{18}O$	1	1	3	1	3	1	1	3	1	3	1
Di-iso-nonyl Phthalate	$C_{26}H_{42}O_4$	1	1	3	1	3	1	1	-	-	-	1
Diisopropylketone	$C_7H_{14}O$	1	1	3	1	3	1	1	3	1	-	1
Dimethyl Carbonate	$(CH_3O)_2CO$	1	1	-	1	-	1	1	1	3	-	1
Dimethyl Phthalate	$C_{10}H_{10}O_4$	1	1	3	1	3	1	1	3	2	-	1
Dimethyl Formamide (DMF)	$HCON(CH_3)_2$	3	1	3	1	3	1	1	3	1	3	1
Dimethylhydrazine	$H_2NN(CH_3)_2$	-	1	-	1	-	1	1	3	1	3	1
Dinitrotoluene		-	-	-	1	-	1	1	3	3	3	3
Dioctyl Phthalate	$C_4H_4(COOC_8H_{17})_2$	1	1	3	1	3	1	1	1	2	3	1
Dioxane	$C_4H_8O_2$	3	3	3	1	3	1	1	3	2	3	1
Disodium Hydrogenphosphate	Na_2HPO_4	1	1	1	1	1	1	1	1	1	-	1
Disodium Phosphate		1	1	-	-	-	1	1	1	-	-	-
Disulphur Dichloride (Sulphur Chloride)	S_2Cl_2	1	-	-	-	-	-	1	1	3	-	-
								1				
Engine Oils		1	1	2	1	-	1	1	1	3	1	1
Ethanol	C_2H_5OH	1	1	1	2	3	1	1	3	1	1	1
Ethanol Amine	$HOC_2H_4NH_2$	1	1	-	1	3	1	1	3	2	-	1
Ethers		-	2	3	1	3	2	1	3	3	3	3
Ethyl Acetate (Acetic Ether)	$CH_3COOC_2H_5$	2	3	3	1	3	1	1	3	2	3	3
Ethyl Acrilate	$C_2H_3COOC_2H_5$	3	1	3	1	3	1	1	3	2	3	1
Ethyl Benzene	$C_6H_5 - C_2H_5$	1	3	3	1	3	1	1	1	3	3	3
Ethyl Benzoate	$C_6H_5COOC_2H_5$	3	1	3	1	-	1	1	1	3	4	1
Ethyl Bromide	C_2H_5Br	1	1	-	-	3	1	1	1	3	2	1
Ethyl Chloride	$CH_3 - CH_2Cl$	1	3	3	1	3	-	1	1	2	2	3

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CHEMICAL COMPATIBILITY TABLE

Chemical	Formula	PVDF	PP	PVC	SS 316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE
Ethyl Chloroacetate	$ClCH_2COOC_2H_5$	1	1	3	1	3	1	1	1	3	3	1
Ethyl Chlorocarbonate	$ClCO_2C_2H_5$	-	-	-	-	-	-	1	1	3	4	-
Ethyl Cyclopentane	$C_5H_4C_2H_5$	1	1	1	1	1	1	1	1	3	-	1
Ethyl Ether	CH_3CH_2 - O - CH_2CH_3	1	3	3	1	3	2	1	3	2	-	3
Ethylacetoacetate	$C_6H_{10}O_3$	1	1	3	1	-	1	1	3	2	-	1
Ethylacrylic Acid	C_4H_7COOH	1	1	-	1	-	1	1	-	2	-	1
Ethylene Chloride	$ClCH_2$ - CH_2Cl	1	3	3	1	3	-	1	1	2	2	3
Ethylene Diamine	$(CH_2NH_2)_2$	2	3	3	2	3	3	1	3	1	3	3
Ethylenglycol Ethylether	$HOC_2H_4OC_2H_5$	1	1	-	1	-	1	1	-	2	-	1
Ethylexhanol	$C_8H_{16}O$	1	1	2	1	-	1	1	1	1	1	1
Ethylene Oxide	H_2C - O - CH_2	3	-	-	1	-	1	1	3	2	3	-
Fatty Acid	R-COOH	1	1	1	1	1	1	1	1	3	2	1
Ferric Chloride	$FeCl_3$	1	1	1	3	1	1	1	1	1	1	1
Ferric Nitrate	$FE(NO_3)_3$	1	1	1	1	1	1	1	1	1	3	1
Ferric Phosphate	$FePO_4$	1	1	1	1	1	1	1	1	1	-	1
Ferric Sulphate	$Fe_2(SO_4)_3$	1	1	1	2	1	1	1	1	1	-	1
Ferrous Chloride	$FeCl_2$	1	1	1	3	1	2	1	1	1	-	1
Ferrous Sulphate (Iron Vitriol)	$FeSO_4$	1	1	1	3	1	1	1	1	1	3	1
Fluorobenzene	C_6H_5F	1	1	3	1	3	1	1	1	3	3	3
Fluoroboric Acid	HBF_4	1	1	1	3	1	1	1	1	1	1	1
Fluorosilicic Acid	H_2SiF_6	1	1	1	2	1	1	1	1	1	1	1
Formaldehyde (Formalin)	CH_2O	1	1	1	2	1	1	1	3	2	2	1
Formamide	$HCONH_2$	1	1	3	1	1	1	1	2	1	3	1
Formic Acid	HCOOH	1	1	2	2	1	1	1	3	2	3	1
Fruit Juice Pulp		1	1	1	1	1	1	1	1	1	2	1
Fuel Oil		1	2	-	1	1	1	1	1	3	1	2
Furane	C_4H_4O	3	1	3	1	3	1	1	3	3	3	1
Furane Aldehyde	$C_5H_5O_2$	3	-	-	1	-	-	1	3	2	3	-
Furfuryl Alcohol	$OC_4H_3CH_2OH$	3	1	3	1	3	1	1	1	2	3	1
Gallic Acid	$C_6H_2(OH)_3COOH$	1	1	1	1	1	1	1	1	2	2	1
Gasoline, Refined		1	1	1	2	1	1	1	1	3	1	1
Glucose (Dextrose)	$C_6H_{12}O_6$	1	1	1	1	1	1	1	1	1	1	1
Glycerol (Glycerine)	$C_3H_5(OH)_3$	1	1	1	1	1	1	1	1	1	1	1
Glicerol Triacetate	$C_3H_5(CH_3COO)_3$	1	1	-	1	-	1	1	3	1	3	1
Glycine, 10%	NH_2CH_2COOH	1	1	1	1	1	1	1	1	1	2	1
Glycol (Ethylene Glycol)	$C_2H_4(OH)_2$	1	1	1	1	1	1	1	1	1	1	1

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CHEMICAL COMPATIBILITY TABLE

Chemical	Formula	PVDF	PP	PVC	SS 316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE
Glycolic Acid, 70%	$CH_2OHCOOH$	1	1	3	1	1	1	1	1	1	1	1
Heptane	C_7H_{16}	1	1	1	1	1	1	1	1	3	1	1
Hexanal	$C_5H_{11}CHO$	1	1	-	1	-	1	1	3	2	-	1
Hexane	C_6H_{14}	1	1	1	1	1	1	1	1	3	1	1
Hexanol, Tertiary	$C_6H_{13}OH$	1	1	3	1	3	1	1	-	1	-	1
Hexantriol	$C_6H_9(OH)_3$	1	1	-	1	-	1	1	1	1	1	1
Hexene	C_6H_{12}	1	1	1	1	-	1	1	1	3	2	1
Hydrazine Hydrate	$N_2H_4 + H_2O$	1	1	1	1	1	1	1	-	1	2	1
Hydrobromic Acid, 50%	HBr	1	1	1	3	1	1	1	1	1	2	1
Hydrochloric Acid, Concentrate	HCl	1	1	1	3	1	3	1	1	3	3	1
Hydrochloric Acid, Dilute (Muriatic Acid)	HCl	1	1	1	3	1	2	1	1	1	1	1
Hydrocyanic Acid (Hydrogen Cyanide) (Prussic Acid)	HCN	1	1	1	1	1	1	1	1	1	-	1
Hydrofluoric Acid 40%	HF	1	1	2	3	3	2	1	1	3	3	1
Hydrofluosillicic Acid		1	1	1	2	1	1	1	1	1	2	1
Hydrogen Peroxide, 30% (Perydrol)	H_2O_2	1	1	1	1	1	1	1	1	2	3	1
Hydroiodic Acid	HI	1	1	1	3	1	-	1	3	-	-	1
Hydrogen Sulphide, Aqueous	H_2S	1	1	1	2	1	1	1	1	3	2	1
Hydroquinone	$C_6H_4(OH)_2$	1	1	1	1	-	1	1	2	3	3	1
Hydroxylamine Sulphate	$(NH_2OH)_2 * H_2SO_4$	1	1	1	1	1	1	1	1	1	1	1
Hypochlorous Acid	$HOCl$	1	3	1	3	1	1	1	1	2	3	1
Iodine Water Solution	I_2	1	2	3	3	1	-	1	1	2	1	2
Isobutyl Alcohol (Isobutanol)	$C_2H_5CH(OH)CH_3$	1	1	1	1	3	1	1	1	1	2	1
Isopropyl Acetate	$CH_3COOCH(CH_3)_2$	1	1	3	1	3	1	1	3	2	3	1
Isopropyl Alcohol (Isopropanol)	$(CH_3)_2CHOH$	1	1	2	1	3	1	1	1	1	2	1
Isopropyl Benzene (Cumene)	$C_6H_5CH(CH_3)_2$	1	3	3	1	3	1	1	1	3	-	3
Isopropyl Chloride	$CH_3CHClCH_3$	1	3	3	1	3	2	1	1	3	3	3
Isopropyl Ether	$C_6H_{14}O_3$	1	3	3	1	3	1	1	3	3	3	3
Kerosene		1	2	1	1	1	1	1	1	-	1	2
Lactic Acid	$C_3H_6O_3$	1	1	1	2	3	2	1	1	2	1	1
Lard Oil		1	1	1	1	1	1	1	1	2	1	1
Lauric Acid		1	-	1	-	-	-	1	1	3	1	-
Lead Acetate (Lead Sugar)	$Pb(CH_3COO)_2$	1	1	1	2	1	1	1	3	1	1	1
Lead Nitrate	$Pb(NO_3)_2$	1	1	1	1	1	1	1	1	1	1	1
Lead Sulphate	$PbSO_4$	1	1	1	1	1	1	1	1	1	-	1
Lead Tetraethyl	$Pb(C_2H_5)_4$	1	1	1	1	1	1	1	1	3	-	1

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CHEMICAL COMPATIBILITY TABLE

Chemical	Formula	PVDF	PP	PVC	SS 316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE
Linoleic Acid		1	-	1	1	-	-	1	1	-	2	-
Linseed Oil		1	1	1	-	-	1	1	1	2	1	3
Lithium Bromide (Brine)	LiBr	1	1	1	1	1	1	1	1	1	1	1
Lithium Chloride	LiCl	1	1	1	3	1	-	1	1	1	1	1
Lithium Salts		1	1	1	-	-	-	1	-	1	-	1
Magnesium Carbonate	$MgCO_3$	1	1	1	1	1	1	1	1	1	-	1
Magnesium Chloride	$MgCl_2$	1	1	1	3	1	1	1	1	1	1	1
Magnesium Hydroxide	$Mg(OH)_2$	1	1	1	1	1	1	1	1	1	2	1
Magnesium Nitrate	$Mg(NO_3)_2$	1	1	1	1	1	1	1	1	1	-	1
Magnesium Sulphate (Epsom Salts)	$MgSO_4$	1	1	1	1	1	1	1	1	1	1	1
Maleic Acid	$C_4H_4O_4$	1	1	1	1	1	1	1	1	1	1	1
Malic Acid	$C_4H_6O_5$	1	1	1	1	1	1	1	1	1	1	1
Manganese-II-Chloride	$MnCl_2$	1	1	1	3	1	1	1	1	1	3	1
Manganese-II-Sulphate	$MnSO_4$	1	1	1	1	1	1	1	1	1	3	1
Mercury	Mg	1	1	1	1	1	1	1	1	1	1	1
Mercury-II-Chloride (Sublimate)	$HgCl_2$	1	1	1	3	1	1	1	1	1	1	1
Mercury-II-Cyanide	$Hg(CN)_2$	1	1	1	1	1	1	1	1	1	3	1
Mercury-II-Nitrate	$Hg(NO_3)_2$	1	1	1	1	1	1	1	1	1	3	1
Mesityl Oxide	$C_6H_{10}O$	-	-	3	1	3	1	1	3	2	3	2
Methacrylic Acid	C_3H_5COOH	1	1	-	1	-	1	1	3	2	3	1
Methanol	CH_3OH	1	1	1	1	3	1	1	2	1	4	1
Methoxybutanol	$CH_3O(CH_2)_4OH$	1	1	3	1	3	1	1	1	3	1	1
Methylacetate	CH_3COOCH_3	1	1	3	1	3	1	1	3	2	3	1
Methylacrilate	$C_2H_3COOCH_3$	1	1	3	1	3	1	1	3	2	3	1
Methylbenzoate	$C_6H_5COOCH_3$	3	1	3	1	3	1	1	1	3	3	1
Methylcatechol	$C_6H_3(OH)_2CH_3$	1	1	1	1	1	1	1	1	3	-	1
Methylcellulose		1	1	1	1	1	1	1	3	1	2	1
Methilchloroacetate	$ClCH_2COOCH_3$	1	1	3	1	3	1	1	3	1	3	1
Methylcyclopentane	$C_5H_9CH_3$	1	1	1	1	1	1	1	1	3	-	1
Methyldichloroacetate	$Cl_2CHCOOH_3$	-	1	3	1	3	1	1	3	-	-	1
Methyl Ethyl Ketone (MEK)	$CH_3COOC_2H_5$	3	1	3	1	3	1	1	3	1	3	1
Methylglycol	$C_3H_8O_2$	1	1	1	1	1	1	1	3	2	-	1

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CHEMICAL COMPATIBILITY TABLE

Chemical	Formula	PVDF	PP	PVC	SS 316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE
Methyl Isopropyl Ketone	$CH_3COC_3H_7$	1	1	3	1	3	1	1	3	2	3	1
Methylmetacrylate	$C_3H_5COOCH_3$	1	1	3	1	3	1	1	3	3	3	1
Methyloleate	$C_{17}H_{33}COOCH_3$	1	1	-	1	-	1	1	1	2	-	1
Methylsalicylate	$HOC_6H_4COOCH_3$	1	1	3	1	3	1	1	2	2	3	1
Methylacetyl Acetate	$C_5H_8O_3$	1	1	3	1	3	1	1	3	2	-	1
Methylamine	CH_3NH_2	3	1	3	1	1	1	1	3	1	3	1
Methyl Sulphate		1	3	1	-	3	-	1	-	-	-	1
Milk		1	1	1	1	1	1	1	1	2	1	1
Mineral Oil		1	1	1	1	1	1	1	1	3	1	1
Morpholine	C_4H_9ON	1	1	3	1	3	1	1	1	-	3	1
Naptha, Petroleum		1	3	1	2	1	1	1	1	3	3	3
Napthalene	$C_{10}H_8$	1	3	3	1	-	1	1	1	3	3	3
Nickel-II-Acetate	$(CH_3COO)_2Ni$	1	1	1	1	1	1	1	3	1	3	1
Nickel-II-Chloride	$NiCl_2$	1	1	1	3	1	1	1	1	1	1	1
Nickel-II-Nitrate	$Ni(NO_3)_2$	1	1	1	1	1	2	1	1	1	3	1
Nickel-II-Sulphate	$NiSO_4$	1	1	1	1	1	2	1	1	1	1	1
Nitric Acid, Anhydrous	HNO_3	1	3	1	2	3	3	1	2	3	3	3
Nitric Acid, 65%	HNO_3	1	2	3	2	3	1	1	1	3	3	2
Nitric Acid, 40%	HNO_3	1	1	1	1	3	1	1	1	2	3	1
Nitromethane	CH_3NO_2	3	1	3	1	3	1	1	3	2	3	1
Nitropropane	$(CH_3)_2CHNO_2$	-	1	3	1	3	1	1	3	2	3	1
Nitrotoluene	$C_6H_4NO_2CH_3$	1	1	3	1	3	1	1	3	3	3	1
Octane	C_8H_{18}	1	1	1	1	3	1	1	1	3	1	1
Octanol	$C_8H_{17}OH$	1	1	3	1	3	1	1	1	1	1	1
Octyl Cresol	$C_{15}H_{24}O$	1	1	3	1	3	1	1	3	-	-	1
Oils and Fats		1	1	1	1	1	1	1	1	3	-	1
Oleic Acid	$C_{17}H_{33}COOH$	1	1	1	1	-	1	1	2	3	3	1
Oleum	$H_2SO_4 + SO_3$	3	3	3	2	3	1	1	1	3	3	3
Olive Oil	HOOC-COOH	1	1	1	2	1	1	1	1	2	1	1
Oxalic Acid	$(COOH)_2$	1	1	1	2	1	1	1	1	3	2	1
Palmitric Acid	$C_{15}H_{31}COOH$	1	1	1	1	-	1	1	1	1	1	1
Pentane	C_5H_{12}	1	1	1	1	1	1	1	1	3	1	1
Peracetic Acid	$C_2H_4O_3$	1	3	3	3	3	1	1	1*	2	3	3
Perchloric Acid, 70%	$HClO_4$	1	1	1	3	3	1	1	1	2	3	1
Perchloric Acid, 10%	$HClO_4$	1	1	1	3	3	1	1	1	2	3	1
Perchloroethylene	C_2Cl_4	1	3	1	1	3	1	1	1	3	3	3
Petroleum Ether	C_nH_{2n+2}	1	1	2	1	2	1	1	1	3	1	1
Petroleum Oils (Sour)		1	3	1	2	1	-	1	1	3	-	3
Phenol (Carbolic Acid)	C_6H_5OH	1	1	1	2	3	1	1	1	3	3	3
Phenyl Ethyl Ether	$C_6H_5OC_2H_5$	-	1	3	1	3	1	1	3	3	3	1

*with PTFE

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CHEMICAL COMPATIBILITY TABLE

Chemical	Formula	PVDF	PP	PVC	SS 316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE
Phenyl Hydrazine	$C_6H_5NHNH_2$	1	3	3	1	3	1	1	3	3	2	3
Phosphoric Acid, 50% (Orthophosphoric Acid)	H_3PO_4	1	1	1	2	1	1	1	1	1	3	1
Phosphoric Acid, 25% (Orthophosphoric Acid)	H_3PO_4	1	1	1	2	1	1	1	1	1	3	1
Phosphorous Oxychloride	$POCl_3$	1	1	3	-	3	1	1	1	1	3	1
Phosphorous Trichloride	PCl_3	1	1	3	1	3	1	1	1	1	3	1
Photographic Solution		1	1	1	1	1	2	1	1	1	1	1
Phthalic Acid	$C_6H_4(COOH)_2$	1	1	1	1	1	2	1	2	1	1	1
Picric Acid	$C_6H_2(NO_3)_3OH$	1	2	1	1	1	1	1	1	1	2	2
Plating Solution		1	1	1	1	-	1	1	1	1	2	1
Piperidine	$C_5H_{11}N$	1	-	3	1	3	1	1	3	3	3	-
Potassium Acetate	CH_3COOK	1	1	1	1	1	1	1	3	1	2	1
Potassium Aluminium Sulphate (Potash Alum)	$KAl(SO_4)_2$	1	1	1	1	1	1	1	1	1	3	1
Potassium Bicarbonate	$KHCO_3$	1	1	1	1	1	1	1	1	1	3	1
Potassium Bifluoride	KHF_2	1	1	1	1	-	1	1	1	1	3	1
Potassium Bisulphate 5%	$KHSO_4$	1	1	1	1	1	1	1	1	1	1	1
Potassium Bitartrate	$KC_4H_5O_6$	1	1	1	1	1	1	1	1	1	3	1
Potassium Borate	KBO_2	1	1	1	1	1	1	1	1	1	1	1
Potassium Bromate	$KBrO_3$	1	1	1	1	1	1	1	1	1	1	1
Potassium Bromide	KBr	1	1	1	1	1	1	1	1	1	1	1
Potassium Carbonate	K_2CO_3	1	1	1	2	1	1	1	1	1	1	1
Potassium Chlorate	$KClO_3$	1	1	1	1	1	1	1	1	1	3	1
Potassium Chloride	KCl	1	1	1	3	1	1	1	1	1	1	1
Potassium Chromate	K_2CrO_4	1	1	1	1	1	1	1	1	1	2	1
Potassium Chrome Sulphate (Chrome-alum)	$KCr(SO_4)_2$	1	1	2	1	1	1	1	1	1	-	1
Potassium Cyanate	KOCN	1	1	1	1	1	1	1	1	1	3	1
Potassium Cyanide 5%	KCN	1	1	1	1	1	1	1	1	1	1	1
Potassium Cyanoferrate II	$K_4Fe(CN)_6$	1	1	1	1	1	1	1	1	1	-	1
Potassium Cyanoferrate III	$K_3Fe(CN)_6$	1	1	1	1	1	1	1	1	1	-	1
Potassium Dichromate (Potassyum Pyrochromate)	$K_2Cr_2O_7$	1	1	1	2	1	1	1	1	1	2	1
Potassium Ferrocyanide		1	1	1	2	1	1	1	1	1	3	1
Potassium Fluoride	KF	1	1	1	1	1	1	1	1	1	3	1
Potassium Hydroxide (CausticPotash)	KOH	1	1	1	1	1	2	1	3	1	2	1
Potassium Iodide	KI	1	1	1	1	1	1	1	1	1	1	1
Potassium Nitrate (Saltpeter)	KNO_3	1	1	1	1	1	2	1	1	1	1	1
Potassium Perchlorate	$KClO_4$	1	1	1	-	1	1	1	1	1	3	1
Potassium Permanganate, 10%	$KMnO_4$	1	1	1	1	1	1	1	1	1	3	1
Potassium Persulphate	$K_2S_2O_8$	1	1	1	1	1	1	1	1	1	3	1
Potassium Phosphate	KH_2PO_4	1	1	1	1	1	1	1	1	1	3	1
Potassium Sulphate	K_2SO_4	1	1	1	1	1	2	1	1	1	1	1
Potassium Sulphite	K_2SO_3	1	1	1	1	1	1	1	1	1	1	1
Propionic Acid	C_2H_5COOH	1	1	1	1	3	1	1	3	1	1	1
Propionitrile	CH_3CH_2CN	1	1	-	1	-	1	1	3	3	-	1

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CHEMICAL COMPATIBILITY TABLE

Chemical	Formula	PVDF	PP	PVC	SS 316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE
Propyl Acetate	$CH_3COOC_3H_7$	1	1	3	1	3	1	1	3	2	-	1
Propylene Dichloride		1	3	3	-	2	2	1	-	-	-	3
Propylene Glycol	$CH_3CHOHCH_2OH$	1	1	1	1	1	1	1	1	1	1	1
Pyridine	C_5H_5N	3	3	3	1	3	1	1	3	3	3	1
Pyrrole	C_4H_4N	-	1	-	1	-	1	1	3	3	3	1
Salicylic Acid	HOC_6H_4COOH	1	1	1	1	1	2	1	1	1	1	1
Sea Water		1	1	1	3	1	1	1	1	1	1	1
Silic Acid	$SiO_2 * x H_2O$	1	1	1	1	1	1	1	1	1	1	1
Silver Bromide	AgBr	1	1	1	3	1	1	1	2	1	3	1
Silver Chloride	AgCl	1	1	1	1	1	2	1	2	1	3	1
Silver Nitrate (Lunar Caustic)	$AgNO_3$	1	1	1	1	1	1	1	1	1	2	1
Silver Plating Solutions		1	1	1	1	1	1	1	1	-	-	1
Soaps		1	1	1	2	1	1	1	1	1	-	1
Sodium Acetate	$NaCH_3COO$	1	1	1	1	1	1	1	1	1	2	1
Sodium Benzoate	C_6H_5COONa	1	1	1	1	1	1	1	1	1	1	1
Sodium Bicarbonate (Natron)	$NaHCO_3$	1	1	1	1	1	1	1	1	1	1	1
Sodium Bisulphate (Sodium Hydrogen Sulphate)	$NaHSO_4$	1	1	1	2	1	1	1	1	1	1	1
Sodium Bisulphite	$NaHSO_3$	1	1	1	2	1	1	1	1	1	1	1
Sodium Borate	$NaBO_2$	1	1	1	1	1	1	1	1	1	1	1
Sodium Bromate	$NaBrO_3$	1	1	1	1	1	1	1	1	1	3	1
Sodium Bromide	NaBr	1	1	1	1	1	1	1	1	1	3	1
Sodium Carbonate (Soda)	Na_2CO_3	1	1	1	1	1	1	1	2	1	1	1
Sodium Chlorate	$NaClO_3$	1	1	1	2	1	2	1	1	1	3	1
Sodium Chloride (Kitchen Salt)	NaCl	1	1	1	3	1	1	1	1	1	1	1
Sodium Chlorite 10%	$NaClO_2$	1	1	1	1	1	1	1	1	1	3	1
Sodium Chromate	Na_2CrO_4	1	1	1	1	1	1	1	1	1	3	1
Sodium Cyanide	NaCN	1	1	1	2	1	1	1	1	1	1	1
Sodium Dichromate	$Na_2Cr_2O_7$	1	1	1	1	1	1	1	1	1	-	1
Sodium Dithionite	$Na_2S_2O_4$	1	3	3	1	1	2	1	-	-	-	3
Sodium Fluoride	NaF	1	1	1	3	1	1	1	1	1	3	1
Sodium Ferrocyanide	$Na_4Fe(CN)_6$	2	1	1	2	-	1	1	1	1	3	1
Sodium Hexametaphosphate		1	1	1	1	1	-	1	1	-	-	1
Sodium Hydroxide (Caustic Soda)	NaOH	1	1	1	1	1	1	1	2	1	2	1
Sodium Hypochlorite, 12.5%	NaOCl + NaCl	1	2	1	3	1	1	1	1	1	2	1
Sodium Iodide	NaI	1	1	1	1	1	1	1	1	1	3	1
Sodium Metaphosphate	$(NaPO_3)_n$	1	1	1	1	1	1	1	1	1	1	1
Sodium Nitrate (Cubic Nitre)	$NaNO_3$	1	1	1	1	1	1	1	1	1	1	1

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CHEMICAL COMPATIBILITY TABLE

Chemical	Formula	PVDF	PP	PVC	SS 316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE
Sodium Nitrite	$NaNO_2$	1	1	1	1	1	1	1	1	1	2	1
Sodium Oxalate	$Na_2C_2O_4$	1	1	1	1	1	1	1	1	1	3	1
Sodium Perborate	$NaBO_2 * H_2O_2$	1	1	2	1	1	2	1	1	1	2	1
Sodium Perchlorate 10%	$NaClO_4$	1	1	1	2	1	2	1	1	1	3	1
Sodium Peroxide	Na_2O_2	1	1	1	1	1	1	1	1	1	2	3
Sodium Persulphate	$Na_2S_2O_8$	1	1	1	1	-	1	1	1	1	3	1
Sodium Pyrosulphite	$Na_2S_2O_5$	1	1	1	1	1	1	1	-	-	-	1
Sodium Phosphate	Na_3PO_4	1	1	1	2	1	1	1	1	1	1	1
Sodium Salicylate	$C_6H_4(OH)COONa$	1	1	2	1	1	1	1	1	3	3	1
Sodium Silicate (Water Glass)	Na_2SiO_3	1	1	1	1	1	1	1	1	1	1	1
Sodium Sulphate (Glauber's Salt) (Mirabilit)	Na_2SO_4	1	1	1	1	1	1	1	1	1	1	1
Sodium Sulphide	Na_2S	1	1	1	1	1	2	1	1	1	1	1
Sodium Sulphite 50%	Na_2SO_3	1	1	1	2	1	1	1	1	1	1	1
Sodium Tetraborate	$Na_2B_4O_7 * 10H_2O$	1	1	1	1	1	1	1	2	1	3	1
Sodium Thiosulphate (Fixing salt), 25%	$Na_2S_2O_3$	1	1	1	1	1	1	1	1	1	3	1
Sodium Tripolyphosphate	$Na_5P_3O_{10}$	1	1	1	1	1	1	1	2	1	3	1
Stannic Chloride		1	1	1	3	-	1	1	1	1	1	1
Stannous Chloride	$SnCl_2$	1	1	1	2	-	1	1	1	-	-	1
Starch	$(C_6H_{10}O_5)_n$	1	1	1	1	1	1	1	1	-	1	1
Starch Gum		1	1	1	1	1	1	1	1	1	-	1
Stearic Acid	$C_{17}H_{33}COOH$	1	1	1	1	-	1	1	1	2	2	1
Styrene	$C_6H_5CHCH_2$	1	3	3	1	3	1	1	1	3	3	3
Succinic Acid	$C_4H_6O_4$	1	1	1	1	1	1	1	1	1	1	1
Sugar Syrup		1	1	1	1	1	1	1	1	1	1	1
Sulphur	S	1	1	1	1	1	1	1	1	1	3	1
Sulphur Trioxide	SO_3	3	3	1	3	-	-	1	1	3	3	3
Sulphuric Acid, 10%	H_2SO_4	1	1	1	2	1	1	1	1	1	3	1
Sulphuric Acid, 85%	H_2SO_4	1	1	1	2	3	1	1	1	3	3	1
Sulphuric Acid, 98.5%	H_2SO_4	1	3	3	3	3	1	1	1	3	3	3
Sulphurous Acid	H_2SO_3	1	1	1	3	1	1	1	1	1	2	1
Sulphuryl Chloride	SO_2Cl_2	3	3	3	-	3	-	1	1	3	3	3
Tannic Acid	$C_{76}H_{52}O_{46}$	1	1	1	1	1	1	1	1	1	1	1
Tanning Liquors		1	1	1	1	-	1	1	1	-	-	1
Tartaric Acid	$C_4H_6O_6$	1	1	1	1	2	1	1	1	2	1	1
Tetrachloroethane (Acetylene Tetrachloride)	$C_2H_2Cl_4$	1	3	3	1	3	1	1	1	3	3	3
Tetrachlorinethylene	C_2Cl_4	1	3	3	1	3	1	1	1	3	3	3
Tetrahydrofurane (THF)	C_4H_8O	3	3	3	1	3	1	1	3	3	3	3

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CHEMICAL COMPATIBILITY TABLE

Chemical	Formula	PVDF	PP	PVC	SS 316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE
Tetrahydronaphtalene (Tetralin)	$C_{10}H_{12}$	1	3	3	1	3	1	1	1	3	3	3
Tetraethyl Lead		1	-	1	-	-	-	1	1	-	-	-
Thionil Chloride	$SOCl_2$	1	3	3	-	3	-	1	2	1	3	3
Thiophene	C_4H_4S	-	3	3	1	-	1	1	3	3	3	3
Tin-II-Chloride	$SnCl_2$	1	1	3	3	1	2	1	2	1	1	1
Tin-II-Sulphate	$SnSO_4$	1	1	1	1	-	2	1	1	1	-	1
Tin-IV-Chloride	$SnCl_4$	1	1	1	3	-	1	1	1	1	-	1
Titanium Tetrachloride	$TiCl_4$	1	-	-	-	-	-	1	3	3	3	-
Toluene	$C_6H_5CH_3$	1	3	3	1	3	1	1	3	3	3	3
Toluene Diisocyanate	$C_7H_3(NCO)_2$	-	1	-	1	-	1	1	3	2	3	1
Tributyl Phosphate	$(C_4H_9)_3PO_4$	1	1	3	1	3	1	1	3	1	3	1
Trichloro Ethane (Trilene)	CCl_3CH_3	1	3	3	1	3	1	1	1	3	3	3
Trichloroethylene	C_2HCl_3	1	3	3	2	3	1	1	3	3	3	3
Trichloroacetaldehyde Hydrate	$CCl_3CH(OH)_2$	3	3	3	1	3	1	1	3	3	-	1
Trichloroacetic Acid 50%	CCl_3COOH	1	1	1	3	3	1	1	3	3	-	1
Tricresyl Phosphate	$(C_7H_7)_3PO_4$	-	1	3	1	3	1	1	2	1	3	1
Triethanol Amine	$N(C_2H_4O_4)_3$	1	1	3	1	1	1	1	3	2	3	1
Trioctyl Phosphate	$(C_8H_{17})_3PO_4$	1	1	3	1	3	1	1	2	1	3	1
Trisodium Phosphate	Na_3PO_4	1	1	1	1	1	1	1	2	1	1	1
Turpentine		1	3	3	1	3	1	1	1	3	1	3
Urea	$CO(NH_2)_2$	1	1	2	1	1	1	1	1	1	1	1
Vinegar		1	1	1	1	1	1	1	1	2	2	1
Vinyl Acetate	$CH_2=CHOOCCH_3$	1	1	3	1	3	1	1	3	1	2	1
Vegetable Oils		1	1	1	1	1	1	1	1	3	1	1
Water, Acid, Mine		1	1	1	1	1	1	1	1	1	-	1
Water, Fresh		1	1	1	1	1	1	1	1	1	1	1
Water, Distilled	H_2O	1	1	1	1	1	1	1	1	1	-	1
Water, Salt		1	1	1	2	1	1	1	1	1	1	1
Whiskey		1	1	1	1	1	-	1	1	1	1	1
Wines		1	1	1	1	1	-	1	1	1	1	1
Xylene	$C_6H_4(CH_3)_2$	1	3	3	1	3	1	1	1	3	3	3
Zinc Acetate	$(CH_3COO)_2Zn$	1	1	1	1	1	1	1	3	1	2	1
Zinc Chloride	$ZnCl_2$	1	1	1	3	1	1	1	1	1	1	1
Zinc Sulphate	$ZnSO_4$	1	1	1	2	1	1	1	1	1	1	1

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