

COLEX INTERNATIONAL LIMITED : CHEMICAL RESISTANCE CHART

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrell		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Acetaldehyde 100% aq sol	C ² H ⁴ O	P*	P*	L	P	G*	P*	G	G			L-P	P			G	G			
Acetaldehyde 40% aq sol	C ² H ⁴ O	P*	P*	G-L	P	G	P	G	G			L-P	P			G	G*			
Acetic Acid 10% aq sol	C ² H ⁴ O ²	G	L*	L	P	L	P	G	G	G	G	G	G	G	G	G	G	G*		
Acetic Acid 60% aq sol	C ² H ⁴ O ²	G	L	L	P	P	P	G	G	G	G	G-L	G-L	L		G	G	G*		
Acetic Acid glacial	-	P	P	L	P	L		P	P	G	G	G-L	G-L	P		G	G*	G	G*	
Acetic Anhydride	C ⁴ H ⁶ O ³	P*	P*	F		F		P	P	P*	P	L	L-P			G	G*	G*		
Acetone 100%	C ³ H ⁶ O	P	P	G-L	L-P	G		L	P	G	G	L-P	P			G	G	G*		
Acetone traces	C ³ H ⁶ O	P	P	G	L	G	L	L	P	G	G	L-P	P	P	P	G	G*			
Acetonitrile	C ² H ³ N		P*																	
Acetophenone	C ⁸ H ⁸ O	P*	P*																	
Acetylene Gas	C ² H ²	G		G	G	G	G							G-L		G	G*			
Adipic Acid	C ⁶ H ¹⁰ O ⁴	G						G				G	G			G	G*			
Alcohol Allyl	C ³ H ⁶ O	P*	P*			L	P					G	G							
Alcohol Amyl	C ⁵ H ¹¹ OH	G		G	G*	G	G*	G	G	G	G	G	G-L	L		G	G*	G	G*	
Aliphatic Hydrocarbons	C ³ H ⁷ NO ²																			
Allyl Chloride	C ³ H ⁵ Cl	P*	P*			L*						L	P							
Alum	—	G	G	G		G		G	G	G	G	G	G			G	G*	P	P	
Aluminium Oxolate	AlF ³	G*	G*			G*				G*	G*	G	G							
Aluminum Acetate	AlF ³	G*				G*				G*	G*	G	G							
Aluminum Chloride	AlCl ³	G		G		G		G	G	G*	G*	G	G	G-L		G	G	F	L	
Aluminum Fluoride	AlCl ³	G		G		G*		G		G*	G*	G	G			G	G*			
Aluminum hydroxide	Al(OH) ³	G*		G*		G		G	G*	G*	G*	G	G			G	G			
Aluminum nitrate	Al(NO ³) ³	G*	G*	G*		G		G	G*	G*	G*					G	G*			
Aluminum Oxychloride	Al ² O ³	G*				G*				G*	G*									
Aluminum Potassium	Al ² O ³	G	G	P		P		G		G*	G*					G	G*			
Aluminum Sulphate	Al ² (SO ⁴) ³	G		G	G*	G		G	G	G*	G*	G	G	G-L*		G	G	G		
Ammonia 0.88S.G.aqsol	NH ³	L-P	P	G	G	G		L	L	G	G	G	G	G		G	G			
Ammonia anhydrous gas	NH ³	F		G*	G*	G	G*	F	F	F*		G*	G*	P		G	G*	P	P	
Ammonia anhydrous liq	NH ³	F	F	G	G	G		F	L	G*	G*	G*	G*			G	G			
Ammonium	NH ⁺ ₄	G*	G*			G*						G	G							
Ammonium Bicarbonate	NH ⁴ HCO ³	G*		G*		G		F		F*		G	G	P		G	G*			
Ammonium Bifluoride	NH ⁴ HF ²	G*		G*		G*		G		G*						G	G*			

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrell		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Ammonium Carbonate	(NH ⁴) ₂ CO ₃	G		G*	G*	G	G*	G		G*		G	G	P		G	G*			
Ammonium Chloride	(NH ⁴)Cl	G		G*	G*	G	G*	G	G	G	G	G	G	G-L	G-L	G	G	G	G*	
Ammonium Fluoride 20%	(NH ⁴)F	G*				G*														
Ammonium Hydrosulfide	H ⁵ NS	G*				G*						G	G							
Ammonium Hydroxide	NH ³ + H ₂ O	G		G*	G*	G	G*	G	G*	G*	G*	G	G	P		G	G	F	L*	
Ammonium Nitrate	(NH ⁴)NO ₃	G*	G*	G*	G*	G	G*	G	G*	G*	G*	G	G	P		G	G	G	F*	
Ammonium Oxalate	C ² H ⁸ N ² O ⁴	G				G*						G	G							
Ammonium persulphate	(NH ⁴) ₂ S ₂ O ₈	G		P*	P*	P	P	G	G*	G*	G*	G	G			G	G*			
Ammonium Phosphate	(NH ⁴) ₃ PO ₄	G		G	G*	G	F	G-F	F*	G-F*	G-F*	G	G			G	G	F		
Ammonium Sulphate	(NH ⁴) ₂ SO ₄	G		G*	L*	G	L*	G	G	G	G	G	G	G		G	G*	G	G*	
Ammonium Sulfide	(NH ⁴) ₂ S	G	P	G*	G*	G	G*	G	G*	G*	G*	G	G			G	G*			
Ammonium Thiocyanate	NH ⁴ SCN	G*	G*			G*						G	G							
Amyl Acetate	C ⁷ H ¹⁴ O ²	P		G*	G	G		P	P			P	P	P		G	G	F		
Amyl Alcohol	C ⁵ H ¹¹ OH	L*		G*	G-F*	G	G-F*	G	P	G	P	G*	P*	L		G	G	G	G*	
Amyl Chloride	C ⁵ H ¹¹ Cl	P*		F*	L*	F	L*	P	P	P*	P*	P*	P*			G	G			
Anethole	C ¹⁰ H ¹² O			G		G		P	P											
Aniline	C ⁶ H ⁷ N	P		G*	F*	G	F*	F	F*	G	F*	L	P	P	P	G	G*	P	P	
Aniline Hydrochloride	C ⁶ H ⁸ ClN	F		P	P	P	P	P	P	P*	P*	L	P	L-P*	P*	G	G*			
Aniline Sulphate	C ⁶ H ³ ClN ⁶	G*				L-P*						L	P	L-P*	P*					
Animal Oils	—	G*	P	G	G	G		L	P	G	L	L	P	G-L						
Anthraquinone	C ¹⁴ H ⁸ O ²																			
Anthraquinone Sulphonic Acid	C ⁷ H ⁸ O																			
Antimony Chloride	SbCl	G*	G*									G	G							
Antimony Trichloride	SbCl ₃	G*	G*									G	G							
Aqua Regia concentrated	—	F		P	P	P	P	F	F*	F*	F*	P	P	P		G	G*			
Aqua Regia dilute	—					P						P	P							
Arceton 11 (Refrigerant)	CCl ₂ F													L*						
Arceton 113 (Refrigerant)	C ² Cl ₂ F ₃			P	P	P	P							P*						
Arceton 114 (Refrigerant)	C ² Cl ₂ F ₄																			
Arceton 12 (Refrigerant)	CCl ₂ F ₂	P		G		G								L*						
Arceton 22 (Refrigerant)	CHClF ₂			G		G								L*						
Arceton 6 (Refrigerant)	CCl ₂ F ₂																			

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrell		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Arsenic Acid concentrated	H ³ AsO ⁴	G	L			P						G	G							
Arysulphonic Acid	As ² O ⁵		P*																	
Barium Carbonate	BaCO ³	G		G*	G*	G	G*	G	G*	G*	G*	G	G			G	G			
Barium Chloride	BaCl ²	G*		G*	G*	G	G*	G	G	G*	G*	G	G	G	G*	G	G	G	G*	
Barium Hydroxide	Ba(OH) ²	G		G*		G		G*	G*	G*	G*	G	G	F		G	G*	G	G*	
Barium Sulphate	BaS	G		G*	G*	G	G*	G	G*	G*	G*	G	G	G	F*	G	G*	P	P	
Barium Sulphide	BaS	G		G*	G*	G	G*	G	G*	G*	G*	G	G	G		G	G*			
Beer	—	G		G		G		G		G		G		G		G		G		
Benzaldehyde 100%	C ⁷ H ⁶ O	P*		F*	F*	F	F*	P	P	G	L-P	L	P	P		G	G	G	F*	
Benzaldehyde traces	C ⁷ H ⁶ O	P*		F*	F*	F	F*	P	P	G	L-P	L	P	P		G	G*	G	F*	
Benzene	C ⁶ H ⁶	F-L		G	G*	G	G	F	P	F*	P*	P	P	L-P	P	G	G	F		
Benzoic Acid	C ⁷ H ⁶ O ²	G		P	P	P	P	G	G*	G*	G*	L	L			G	G	P	P	
Benzyl Alcohol	C ⁷ H ⁸ O	F	P*	L	P	L	P	G-F	L-P	G-F	L-P	P*	P*	P	P	G	G	L-P		
Benzyl Chloride	C ⁷ H ⁷ Cl	G		G*	G*	G	G*							P		G	G*			
Borax	—	G*		G*	G*	G	G*	G	G*	G*	G*	G	G	G		G	G	G	G*	
Boric Acid	H ³ BO ³	G		G*	F*	G	F*	G	G*	G*	G*	G	G	G		G	G	G	G*	
Brine	—	G	G			G		G	G	G	G	G	G	G	G					
Bromine - 100% dry gas	Br ²	L		P		P		P	P	P	P	P	P			G	G*	P	P	
Bromine - liquid	Br ²	P		P	P	P	P	P	P	P	P	P	P	P		G	G	P	P	
Bromine traces - gas	Br ²	L		P		P		P	P	P	P	P	P			G	G*	P	P	
Butadiene	C ⁴ H ⁶	F		F*		F		P	P	P*	P*	G*	G*			G	G*			
Butane Gas	C ⁴ H ¹⁰	F		G*	G*	G	G*	F	F*	F*	F*	G	G	G-F		G	G	G*		
Butanediol	C ⁴ H ¹⁰ O ²	P*	P*									G	G							
Butyl Acetate	C ⁶ H ¹² O ²	P*	P*	G	G	G				G	L			P	P	G	G			
Butyl Alcohol (Butanol)	C ⁷ H ¹² O ²	F		G-L	L	G-L	L	G	L*	G	G	G	L*	L*		G	G*	G	F*	
Butyric Acid 20% aq sol	C ⁴ H ⁸ O ²	G		F*	F*	F	F*	P	P	P	P	L-P	L-P			G	G*	G	G*	
Butyric Acid concentrated	C ⁴ H ⁸ O ²	P*	P*			G		P		P		L-P	L-P			G	G*			
Calcium Arsenate	Ca ³ As ² O ⁸			G	G	G	G													
Calcium Bisulphite	CaH ² O ⁶ S ²	G	G	G*	G*	G	G*	G	G*	G*	G*	G	G	G		G	G*			
Calcium Carbonate	CaCO ³	G		G*	G*	G	G*	G	G*	G*	G*	G	G			G	G			
Calcium Chlorate	Ca(ClO ³) ²	G										G	G	G-L		G	G*			
Calcium Chloride aq sol	CaCl ²	G		G*	G*	G	G*	G	G	G*	G*	G	G	G		G	G	G		

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytel		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Calcium Hydroxide	Ca(OH) ²	G		G*	G*	G	G*	G	G	G*	G*	G	G	L*		G	G	G		
Calcium Hypochlorite dilUTE	Ca(ClO) ²	G		P*	P*	P	P	G	G*	G*	G*	G	G	P		G	G*	F		
Calcium Nitrate	Ca(NO ₃) ²	G		G*	G*	G	G*	G	G*	G*	G*	G	G	G		G	G			
Calcium Phosphate	Ca ³ (PO ₄) ²	G*										G	G			G	G			
Calcium Sulphate	CaSO ⁴	G		P*	P*	P	P	G	G*	G*	G*	G	G			G	G*			
Carbolic Acid (phenol)	C ⁶ H ⁶ O	P		P	P	P	P	P	P	P	P	P*	P*	P	P	G	G	P		
Carbon Dioxide	CO ²	G*		G*	G*	G	G	G	G	G	G	G	G	G	G	G	G*	G	G	
Carbon Disulphide	CS ²	P	P	G-L	L	G	P	F		F*		P	P	L-P		G	G*			
Carbon Monoxide	CO	G*		G*	G*	G	G*	G	G*	G*	G*	G	G			G	G*	G	G*	
Carbon Tetrachloride	CCl ⁴	P		P*	P*	P	P	P	P	L	P	P	P	P		G	G*	P		
Carbonic Acid	H ² CO ³	G		G*	G*	G	G*	G	G*	G*	G*	G	G	G		G	G	P		
Casein	—	G	G*																	
Castor Oil	—	G		G*	G*	G	G*	G	G*	G*	G*	L-P	P	G*	G*	G	G*	G	G*	
Cetyl Alcohol	C ¹⁶ H ³⁴ O	G*	G*			G*						P	P			G	G			
Chloracetic Acid	C ² H ³ ClO ²	L		P*	P*	P	P									G	G*	P		
Chloral Hydrate	C ² H ³ Cl ³ O ²	P*	P*									L-P	P							
Chloric Acid	HClO ³			P*	P*	P	P									G	G*			
Chlorine 10% dry gas	Cl ²	P		P		L-P		L-P	P	P	P	P	P	P	P	G	G*	P		
Chlorine 10% moist gas	Cl ²	P		P		L-P		P	P	L	P	P	P	P	P	G	G*			
Chlorine 100% dry gas	Cl ²	P		P		L-P		L-P	P	P	P	P	P	P						
Chlorine Trifluoride	ClF ³	P*	P*																	
Chlorine water 2 % sol	Cl ² x H ² O	G		G*	G*	G	G*	G	G*	G*	G*					G	G	G		
Chlorine water sat sol	Cl ² x H ² O	L				L-P		G	G	P	P	G-L	L-P	P		G	G*			
Chlorobenzene	C ⁶ H ⁵ Cl	P		P*	P*	P	P	F	P	F*	P*	P	P	P	P	G	G*	P		
Chloroform	CHCl ³	P*	P*	G*	G*	G	G*	F	L-P	F*	L-P*	P	P	P	P	G	G*	P		
Chlorosulphonic Acid	ClHSO ³	P*		P*	P*	P	P	P	P	P	P	P	P	P		G	G*	P		
Chrome Alum	CClF ³	G*				G-L*				G*	G*	G	G							
Chromic Acid (plating sol)	H ² CrO ⁴	L		P	P	P		P	P	P	P	G	G	P		G	G*	P		
Cider	—	G		G		G		G		G		G		G		G		G		
Citric Acid	C ⁶ H ⁸ O ⁷	G		G*	G*	G	G*	G*	G*	G*	G*	G	G	P		G	G	G	F*	
Coal Gas	—	P		G		G														
Copper Chloride	CuCl	G		P*	P*	P	P	G	G	G*	G*	G	G			G	G	G	F*	

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		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Copper Cyanide	CuCN	G		P	P	P	P	G	G	G*	G*	G	G	G	F*	G	G*			
Copper Fluoride	CuF	G*				F-L*				G*	G*	G	G			G	G			
Copper Nitrate	Cu(NO ₃) ²	G		P	P	P	P	G	G	G*	G*	G	G			G	G			
Copper Sulphate Solution	CuSO ₄	G		L-P	L-P	L-P	L-P	G	G	G*	G*	G	G	G		G	G	F		
Creosote	CH ⁸	F-L		P*	P*	P	P*	L		L		P	P	P		G	G*	P		
Cresols	C ⁷ H ⁸ O	P		P	P	P	P	F-L	F-L	F-L	F-L	P	P	P				P		
Cresylic Acids	CH ³ C ⁹ H ⁴ OH	P		P	P	P	P	G	G*	G*	G*	P	P	P		G	G*			
Crude Oil	—	L		G	G	G	G	P	P			P	P	G-L*	G-L*	G	G*			
Cupric Chloride	CuCl ²	G	G									G	G							
Cupric Fluoride	CuF ²	G*										G*	G*							
Cupric Nitrate	Cu(NO ₃) ²	G*	G*									G	G							
Cupric Sulphate	Cu(NO ₃) ²	G	G									G	G							
Cyanide	—	G	G*					G	G			G*	G*	G-L*						
Cyclohexane	C ⁶ H ¹²	P		G	L	G	L	G	F*	G*		P	P	P*		G	G	G	F*	
Cyclohexanol	C ⁶ H ¹² O	P		G	L*	G	L	G*	G*	G*	G*	G-L	L-P	L-P		G	G*			
Cyclohexanone	C ⁶ H ¹⁰ O	P		G*	F*	G	F*	P	P	L	L	G-L	L-P	L-P		G	G*			
DDT Preparation	C ¹⁴ H ⁹ Cl ⁵			G		G														
Decalin	C ¹⁰ H ¹⁸			G	G	G	G													
Detergent (synthetic) all concentrations	C ¹⁵ H ¹⁰ N ² O ²	G*				G		G	L-P	G	G	G	G			G	G			
Detergents Alkaline	C ¹⁵ H ¹⁰ N ² O ²	G						G*	G*			G*	G*							
Developers, photographic	—	G*	G*					G	G	G*	G*	G	G							
Dextrin (Starch gum)	(C ⁶ H ¹⁰ O ⁵) _n	G*	G*									G	G							
Dextrose	C ⁶ H ¹² O ⁶	G*	G*									G	G							
Diacetone Alcohol	C ⁶ H ¹² O ²	P		G*	L*	G	L	G	G*	G*	G*					G	G*	L		
Diammonium Phosphate	H ⁹ N ² O ⁴ P			G	L	G	L													
Dibutyl Phthalate	C ¹⁶ Br ²² O ⁴	P		G*	G*	G	G*	L	L			L	P	L		G	G*	G	L*	
Dichlorethylene	C ⁸ H ¹⁹ N	P		G*	G*	G	G*	F	L*	F	F*					G	G	P		
Dichloro Methane	CH ² Cl ²	P	P	L		L														
Dichlorobenzene	C ⁶ H ⁴ Cl ²	P*	P*									P	P							
Dichloroethane	C ⁴ H ⁴ Cl ²	P		G*	G*	G	G*	F	L*	F	F*					G	G*			
Diesel Oil	—	F		G	G	G	G	F	L*	F	L*	L*	P*	G	G	G	G	F		
Diethyl Ether	C ⁴ H ¹¹ NO ²	P		G*	G*	G	G	P	P	P	P	P	P	G		G	G*	F		

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrell		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Diethylene Glycol	C ⁴ H ¹⁰ O ³	F		G*	G*	G	G*	G	F*	G	F*	G	G			G	G	G		
Diisocyanate	C ⁶ H ¹⁰	P	P	G*		G*														
Dimethyl Formamide	C ³ D ⁷ NO	P		G*	G*	G	G*	G	G*	G*	G*			P*		G	G*	G	F*	
Dimethyl Sulphoxide	C ² H ⁶ OS	P		F*	F*	G	F*									G	G*			
Dimethylcarbinol	C ³ H ⁸ O	G																		
Diocetyl Phosphate	C ¹⁶ H ³⁵ O ⁴ P	L*	P*	G	G	G	G	L	P			L*	P*	L*						
Diocetyl Phthalate	C ²⁴ H ³⁸ O ⁴	P		G	G	G	G					L-P	P			G	G*	G	F*	
Dioxane	C ⁴ H ⁸ O ²	P	P			G	G	L	P	G	G	L*	P*	L						
Disodium Phosphate	Na ² O ⁴ P	G	G					G	G*			G	G							
Dodecyl Alcohol	C ¹² H ²⁶ O	G*	G*			G*														
Emulsifiers all concs.	—	G*	G*									G	G			G	G			
Emulsions, photographic	—	G*	G*									G	G							
Ethane	C ² H ⁶	G		P	P	P	P							F		G	G*			
Ethyl Acetate	C ⁴ H ⁸ O ²	P		G*	G*	G	G*	F	F*	G*	F*	L-P	P	P	P	G	G	F	P*	
Ethyl Alcohol	C ² H ⁶ O	G-L		G-L	P	G-L		G	P	G	G-L	G	G-L	L*		G*	G*	G*		
Ethyl Alcohol (Ethanol)	C ² H ⁶ O	G		L-P*	L-P*	L-P	L-P									G	G	G		
Ethyl Alcohol 20% aq sol	C ² H ⁶ O	G	L-P*	G-L	P	G-L	P	G	P			G	G	L	P					
Ethyl Butyrate	C ⁹ H ¹⁰ O ²	P		G*	G*	G	G*					L-P	P			G	G*			
Ethyl Chloride	C ² H ⁵ Cl	P		G*	G*	G	G*			L	P	P	P	L-P		G	G			
Ethyl Ether	C ⁵ H ⁷ NO ²	P		G*		G	L*	P	P			P	P	L		G	G			
Ethyl Formate	C ³ H ⁶ O ²	P*	P*									L-P	P							
Ethyl Sulphate	C ² H ⁵ O ⁴ S			G*	G*	G	G*									G	G*			
Ethylene Bromide	C ² H ⁴ Br ²	P						P	P	P	P					G	G*			
Ethylene Chlorhydrin	C ² H ⁵ ClO	P	P	P	P	P	P	P	P	P	P					G	G*			
Ethylene Chloride	C ² H ⁴ Cl ²	P		G*	F*	G	F*	P	P	L	P	P	P	L		G	G			
Ethylene Dibromide	C ² H ⁴ Br ²	P		G*	L*	G	L*							P		G	G*			
Ethylene Dichloride	C ² H ⁴ Cl ²	P		G*	F*	G	F*	P	P	P	P	P	P			G	G*	F-L		
Ethylene Glycol	C ² H ⁶ O ²	G		G*	F*	G	F*	G	G	G*	G*	G	G	L*		G	G	G	F*	
Ethylene Oxide	C ² H ⁴ O	P		G*	F*	G	F*	G	G*	G*	G*	P	P	P		G	G	G	F*	
Fatty Acids	—	G		G*	G*	G	G*	P	P	P	P					G	G			
Ferric Chloride	FeCl ³	G		G*	G*	G	G*	G	G	G*	G*	G	G	G	F*	G	G	G-F		
Ferric Nitrate	Fe(NO ³) ³	G		G*	G*	G*	G*	G	G	G*	G*	G	G	G		G	G			

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrel		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Ferric Sulphate	Fe ² (SO ⁴) ³	G		G*	G*	G	G*	G	G*	G*	G*	G	G	G		G	G	G		
Ferrous Ammonium	Fe ² (SO ⁴) ³	G*	G*							G*	G*	G	G							
Ferrous Chloride	FeCl ²	G		P	P	P	P	G	G	G*	G*	G	G	G-L		G	G*	G		
Ferrous Sulphate	FeSO ⁴	G		P	P	P	P	G	G	G*	G*	G	G			G	G*	G		
Fixing Solution, Photographic	—	G*	G*					G	G			G	G							
Flavours and Essences	—			G	G	G	G	G*				G*		G*						
Fluorine	F ²	P		P	P	P	P	P	P	L	P	P	P			P	P			
Fluosilic Acid 40% aq sol	H ² SiF ⁶	L		P	P	P	P	G	G*	G*	G*	G	G			G	G	F		
Formaldehyde 40%aq sol	CH ² O	G		G*	F*	G	F*	P	P	P	P	G	L	L		G	G	G	F*	
Formic Acid 10% aq sol	CH ² O ²	G	G	P	P	P	P	G	G	G	G	G	G	P	P	G	G*	G		
Formic Acid 100% aq sol	CH ² O ²	P		P	P	P	P	P	P	P	P	G	G-L	P	P	G	G	L		
Formic Acid 25% aq sol	CH ² O ²	L	P	P	P	P	P	G	G	G	G	G	G	P	P					
Formic Acid 3% aq sol	CH ² O ²	G	G	P	P	P	P	G	G	G	G	G	G	P	P					
Formic Acid 50% aq sol	CH ² O ²	L	P*	P	P	P	P	G	G	G	G	G	G-L	P	P					
French Polish		P	P	G-L*		G-L*		G*				G*		L*	P*					
Freon 11 (Refrigerant)	CCl ³ F	G		P	P	P	P	F	F*	F*	F*			L*		G	G*	G		
Freon 113 (Refrigerant)	C ² Cl ³ F ³	F		G	L	G	L							G		G	G*	G	F*	
Freon 114 (Refrigerant)	C ² Cl ² F ⁴			G	L	G	L									G	G*	G		
Freon 12 (Refrigerant)	CCl ² F ²	G		G*	F*	G	F*	G	G*	G*	G*			L		G	G*	G		
Freon 22 (Refrigerant)	CHClF ²	G		G*	F*	G	F*							L		G	G*			
Fructose	C ⁶ H ¹² O ⁶	G*	G*	G	G					G*		G	G			G	G			
Fruit Pulp/Juices	—	G		G	G	G		G-L	G-L	G	G	G	G	G*		G	G*			
Fuel oil	—	G		G	G	G	G-L	F	F*	F*	F*	L*	P*	G	L*	G	G	F		
Furfural	C ⁵ H ⁴ O ²	P		G*	F*	G	F*	P	P	P	P	P	P	P		G	G*	G	F*	
Gallic Acid	C ⁷ H ⁶ O ⁵	G		G*	G*	G	G*	G	F*	G	F*	G	G	P		G	F*	P		
Gas Oil	—	G-L	P*	G	L	G	L	L*	P*			L*	P*	G-L*						
Gaz (liquefied petroleum)	C ⁵ H ¹² - C ¹² H ²⁶	P	P																	
Glucose	C ⁶ H ¹² O ⁶	G		G*	G*	G	G*	G	F*	G*	F*	G	G			G	G*	G		
Glycerine	C ³ H ⁵ (OH) ³	G		G*	L*	G	L	G	G	G	G	G	G	F*		G	G	G	G*	
Glycolic Acid 30% aq sol	C ² H ⁴ O ³	G						G	G*	G*	G*	G	G			P	P			
Grape Sugar	—	G		G*	G*	G	G*	G	G	G*	G*	G	G	G*		G	G*			
Greases General	—			G	G	G	G	L*	P*			L*	P*	G-L*						

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrel		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Greases Mineral	—	L	P	G	G	G	G	L*	P*			L*	P*	G	G*					
Ground Nut Oil	—	P	P	G*	G*	G*	G*	L	P			L*	P*	G*	G*					
Heptane	C ⁷ H ¹⁶	L		G*	G*	G	G*	G	P	G*	L*	P	P	G*		G	G	F		
Hexadecanol	C ¹⁶ H ³⁴ O	G*	G*									P	P							
Hexane	C ⁶ H ¹⁴	L		G*	F*	G	F*	P	P	L	P			G*		G	G	G	F*	
Hexyl Alcohol	C ⁶ H ¹⁴ O	G*				G*														
Hydrazine	N ² H ⁴	P												P		G	G*	F	L	
Hydro Fluosilicic Acid	N ² H ⁶ O	P		P	P	P	P	G	G*	G*	G*	G	G	P		G	G*	F		
Hydrobromic Acid	HBr	G		P	P	P	P	G	F*	G*	F*					G	G*			
Hydrobromic Acid 100% aq sol	HBr	G*	G*					G	G			P	P							
Hydrobromic Acid 50% aq sol	HBr	G	G					G	G			L	P							
Hydrochloric acid	HCl	G	G	P	P	P		G	G			G	G	P		G	G			
Hydrochloric acid 10% aq sol	HCl	G	G	G-L	P	P		G	G	G	G	G	G	L-P		G	G			
Hydrochloric acid concentrated	HCl	G	L	P	P	P		G	G			L	L	P		G*	G*			
Hydrocyanic Acid	HCN															G	G			
Hydrocyanic Acid 10% aq sol	HCN							G	G			G	G							
Hydrofluoric Acid	HF															G	G			
Hydrofluoric Acid 4% aq sol	HF	G	G					G	G			G	G	L-P						
Hydrofluoric Acid 40% aq sol	HF	G						G	G			G	G	P						
Hydrofluoric Acid 60% aq sol	HF	P	P					G	G-L			G	G	P						
Hydrofluoric Acid concentrated	HF	P	P					G	L			G	G	P						
Hydrogen	H ²	G*	G*	G	G	G	G	L	L			G	G	G	G*					
Hydrogen Bromide	HBr	G*										G*	G*							
Hydrogen Bromide (Anhydrous)	HBr																			
Hydrogen Chloride	HCl	G*				P*						G	G							
Hydrogen Chloride (Anhydrous)	HCl																			
Hydrogen Fluoride	HF	G*				P*														
Hydrogen Fluoride (Anhydrous)	HF																			
Hydrogen Peroxide	H ² O ²																			
Hydrogen Peroxide 12% (40 vol)	H ² O ²	G		L-P	P	L-P		G	L			G	G			G	G			
Hydrogen Peroxide 3% (10 vol)	H ² O ²	G		G-L	P	L-P		G	L			G	G	G						
Hydrogen Peroxide 30% (100 vol)	H ² O ²	G				P		G	L-P			G	L			G	G			

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hyrel		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Hydrogen Peroxide 90% and above	H ² O ²	G				P		G	P			G	L			G	G			
Hydrogen Phosphide	H ³ P	G*	G*									G	G							
Hydrogen Sulphide < 5%	H ² S	G				G		L-P	L-P			G	G			G	G			
Hydrogen Sulphide gaseous	H ² S																			
Hydroquinone	C ⁶ H ⁶ O ²	G		G*				G	G			G	G							
Hydroxylamine Sulphate	H ⁸ N ² SO ⁶																			
Hypochlorous Acid	HClO	L	P*									L	P							
Industrial Methylated spirit	—	P*	P*	G-L*	P*	G-L*	P*	L	P			L*	P*	L	P*					
Iodine solution in	—	P*	P*			P*		L-P	P	P*		L-P	P	P						
Iodine, Tincture of	—	L-P*												L-P*	P*	G	G			
Iso Propyl Alcohol	CHJ ³	G	P	G	P	G	P	G				G*		L*	P*					
Isocyanate	NCO	P	P	G*		G*		P*	P*			P*	P*							
Isophorone	C ⁹ H ¹⁴ O	P*	P*																	
Isopropyl Alcohol	C ³ H ⁸ O	G				L*				G	G	G	G			G	G			
Jet Fuel	—	L*	P*	G*		G*		L*	P*			L*	P*	L*						
Kerosene (Paraffin Oil)	—	G-L	P*	G	G-L	G	G-L	L	P			L*	P*	G	L*	G	G			
Lactic Acid 10% aq sol	C ³ H ⁶ O ³	G		G	G	L		G	G	G	G	G	G	L-P						
Lactic Acid 100% aq sol	C ³ H ⁶ O ³	P*	P*	G	G	L-P		G	G	G	G	G	G	P		G	G			
Lanoline	—	G*				G				G	L									
Lauric Acid	C ¹² H ²⁴ O ²	G*																		
Lauryl Alcohol	C ¹² H ²⁶ O	G*	G			G*														
Lauryl Chloride	C ¹² H ²⁵ Cl																			
Lead Acetate	Pb(C ² H ³ O ²) ²	G*	G*			G*		G	G	G*	G*	G	G	G-L*						
Lead Arsenate	As ⁴ O ¹⁶ Pb ³	G*	G*			G*						G	G							
Lead Nitrate	Pb(NO ³) ²	G*	G*			G*						G	G							
Lead Tetraethyl	C ⁸ H ²⁰ Pb	G*		G		G*						G-L	P							
Linoleic Acid	C ¹⁸ H ³² O ²																			
Linseed Cake	—			G	G	G	G													
Linseed Oil	—	L	P	G	G	G		L	P	L*	P*	L	P	G	G*					
Magnesium Carbonate	MgCO ³	G*	G*			G*				G*	G*	G	G							
Magnesium Chloride	MgCl ²	G*	G*	G	G	G*		G	G	G*	G*	G	G	G-L		G	G			
Magnesium Hydroxide	Mg(OH) ²	G*	G*			G		G	G	G*	G*	G	G	L		G	G			

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrell		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Magnesium Hydroxide 10% aq sol	Mg(OH) ²																			
Magnesium Hydroxide 50% aq sol	Mg(OH) ²																			
Magnesium Nitrate	Mg(NO ³) ²	G*	G*			G*				G*	G*	G	G				G	G		
Magnesium Sulphate	MgSO ⁴	G*	G*			G*		G	G	G*	G*	G	G				G	G		
Maleic Acid 25% aq sol	C ⁴ H ⁴ O ⁴							G	G			G	G							
Maleic Acid 50% aq sol	C ⁴ H ⁴ O ⁴							G	G			G	G							
Maleic Acid concentrated	C ⁴ H ⁴ O ⁴		P*					G	G			G	G							
Malic Acid	C ⁴ H ⁴ O ⁴	G															G	G		
Manganese Sulphate	MnSO ⁴	G*	G*									G	G							
Mercuric Chloride	HgCl ²	P*	P*			G*		G	G	G*	G*	G	G				G	G		
Mercuric Cyanide	Hg(CN) ²	G*	G*			G*		G	G	G*	G*	G	G							
Mercurous Nitrate	Hg(NO ³) ²	G*	G*			G*		G	G	G*	G*	G	G				G	G		
Mercury	Hg	G*	G*	G	G	G	G	G	G	G	G	G	G	G*	G*	G	G			
Mesityl Oxide	C ⁶ H ¹⁰ O	P*	P*																	
Metallic Soaps (water sol)	—	G*										G	G							
Methane	CH ⁴	G		G	G	G	G							G-L*			G	G		
Methyl Acetate	C ³ H ⁶ O ²	P	P	G	G	G	G	P	P	P	P	P	P	L-P						
Methyl Alcohol (Methanol)	CH ⁴ O																G	G		
Methyl Alcohol 10% aq sol	CH ⁴ O	G	L-P*	G	L*	G	L*	G		G	G	G*	L*	L-P	P*	G*	G*	G*		
Methyl Bromide	CH ³ Br	P*	P*	G-P	P	G	P					P	P							
Methyl Chloride	CH ³ Cl	P*	P*	G-P	P	G	P			P	P	P	P				G	G		
Methyl Ethyl Ketone	C ⁴ H ⁸ O	P*	P*	G	L	G	L	P	P	G	G	L-P	P	L-P			G	G		
Methyl Isobutyl Ketone	C ⁶ H ¹² O	P*	P*	G	L							L-P	P				G	G		
Methyl Methacrylate	C ⁵ H ⁸ O ²	P*	P*																	
Methyl Sulphate	CH ⁴ SO ⁴	L*	P*	G-L		G	L													
Methylated Spirit	-	P*	P*			L	P	L	P	G*		G-L	L-P	G-L	P					
Methylene Chloride	CH ² Cl ²	P	P			P	P	P	P	L-P	P	P	P	L-P	P		G	G		
Milk	—	G		G	G	G		G	G	G	G	G	G							
Mineral Oils	—	G	P	G	G	G	G	L	P			L-P	P	G	L	G	G			
Mixed Acids (sulph/nitric)	—		P*																	
Molasses	—	G	G*									G	G							
Monochlorobenzene	C ⁶ H ⁵ Cl	P	P									P	P							

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrel		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Mustard	—			G		G		G*				G*		G*						
Naptha	—	P*	P*	G	G-L	G	L	P	P	P	P	P	P	L	P	G	G			
Napthalene	—	P*	P*	G	G	G	G	L-P	L-P	G	L	L-P	P	L*						
Natural Gas	—	G		G	G*	G	G*							G-L*						
Nickel Chloride	NiCl ²	G*	G*			G*		G	G	G*	G*	G	G			G	G			
Nickel Nitrate	Ni(NO ³) ²	G*	G*			G*		G	G	G*	G*	G	G			G	G			
Nickel Sulphate/salts	NiSO ⁴	G*	G*			G*		G	G	G*	G*	G	G			G	G			
Nicotine	C ¹⁰ H ¹⁴ N ²											G	G							
Nicotinic Acid	C ⁶ H ⁵ NO ²											G	G							
Nitric Acid 10% aq sol	HNO ³	G	L	P	P	P	P	G	G	G	G	G	G	P		G	G			
Nitric Acid 25% aq sol	HNO ³	G	L	P	P	P	P	G	G	G	G	G	G	P		G*	G*			
Nitric Acid 5% aq sol	HNO ³	G	G	P	P	P	P	G	G	G	G	G	G	P		G*	G*			
Nitric Acid 50% aq sol	HNO ³	G	L	P	P	P	P	P	P	L	L	L	P	P		G	G			
Nitric Acid 70% aq sol	HNO ³	L	P*	P	P	P	P	P	P	P	P	P	P	P		G*	G*			
Nitric Acid 95% aq sol	HNO ³	P*	P*	P	P	P	P	P	P	P	P	P	P	P		G*	G*			
Nitrobenzene	C ⁶ H ⁵ NO ²	P	P			L		P	P	L	L	P	P							
Nitrogen	N ²	G		G*		G*		G*				G*		G	G*					
Nitropropane	C ³ H ⁷ NO ²	P	P																	
Nitrous Fumes moist	—	P	P*																	
Nitrous Oxide Gas	N ² O	G	L																	
Nonyl Alcohol	C ⁹ H ²⁰ O	G*				G*														
Octane	C ⁸ H ¹⁸			G	G-L	G				L-P	P			G						
Octyl Alcohol	C ⁸ H ¹⁸	G*				G*		G												
Oil, Animal	—	G-L*	P*					L	P			L*	P*	G-L*	G-L*					
Oil, ASTM Oil No 1	—													G	G-L*	G	G			
Oil, ASTM Oil No 3	—													G	G-L*	G	G			
Oil, ASTM Ref Fuel A	—													G	G-L*	G	G			
Oil, ASTM Ref Fuel B	—													G-L	L*	G	G			
Oil, Ethereal	—	P	P																	
Oil, Hydraulic	—															G	G			
Oil, Hydraulic - petroleum base	—	P	P	G		G								G						
Oil, Hydraulic - synthetic base	—	P	P	G		G								P	P					

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrel		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Oil, Mineral	—	G-L	P*	G	G	G	G	P	P			L	P	G	G-L*					
Oil, Vegetable	—	G-L	P*	G	G	G	G	L	P			L	P	G	G-L*					
Oleic Acid	C ¹⁸ H ³⁴ O ²	G*	L	G	G	G		L	P	G	L	P	P			G	G			
Oxalic Acid 10% aq sol	C ² H ² O ⁴ x 2H ² O	G		G	L	G	L	G	G	G	G	G	G	L						
Oxygen	O ²	G*	G*	G	L	G	G	L	P	G	G	G	G	G						
Ozone	O ³	G*		L-P	P	P*		P	P	L	P	P	P	G		G	G			
Palmitic Acid	C ¹⁶ H ³² O ²	G*										G	L							
Pentane	C ⁵ H ¹²																			
Peracetic Acid	C ² H ⁴ O ³																			
Perchloric Acid 10% aq sol	HClO ⁴		P*					G	G			G	G			G	G			
Perchloroethylene	C ² Cl ⁴	P	P	L	P	L	P	P*	P*			P*	P*	P*	P*					
Petrol	—			G	G-L	G	G	P	P	G-L	L-P	P	P	G						
Petrol / Benzene mix (A)	—	P*	P*	G	G-L	G	L	P	P	G-L	L-P	P	P	G-L						
Petroleum Ether (A)	—	P	P	G	G-L	G		P	P	L	P	P	P	G-L						
Phenols/Carbolic acid	—		P*	P	P	P		P	P	G	G	P	P							
Phenylcarbinol	C ⁷ H ⁸ O	P	P*			P	P	P*	P*	P		P	P	P						
Phenylhydrazine	C ⁶ H ⁸ N ²	P*	P*																	
Phenylhydrazine Hydrochloride	C ⁶ H ⁸ N ² -HCl		P																	
Phosgene gas	CCl ² O											G-L	P							
Phosgene Liquid	CCl ² O																			
Phosphates	—	G*	G*			G														
Phosphoric Acid	H ³ PO ⁴															G	G			
Phosphoric Acid 20% aq sol	H ³ PO ⁴	G	G	G-L	P	P		G	G	G	G	G	G	L-P		G	G			
Phosphoric Acid 30% aq sol	H ³ PO ⁴	G	G	G-L	P	P		G	G	G	G	G	G	P		G	G			
Phosphoric Acid 50% aq sol	H ³ PO ⁴	G	G	G-L	P	P		G	G	G	G	G	G	P		G	G			
Phosphoric Acid 95% aq sol	H ³ PO ⁴	G	G	P	P	P		L	P	G	L	G	L	P		G	G			
Phosphoric Anhydride	O ¹⁰ P ⁴	G*				P		G	L											
Phosphorus	H ³ PO ⁴					P*		G	P											
Phosphorus Pentoxide	O ¹⁰ P ⁴	G*				P*		G	G	G	G	G	G							
Phosphorus Trichloride	PCl ³	P*	P*			P*		G				G	G							
Phthalic Anhydride	C ⁸ H ⁴ O ³	G*	G*																	
Picric Acid	C ⁶ H ³ N ³ O ⁷																			

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrel		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Picric Acid 1% aq sol	C ⁶ H ³ N ³ O ⁷	G	G*	L	P	L	P	G				L	L							
Picric Acid 10% w/w in alcohol	C ⁶ H ³ N ³ O ⁷	G*		L	P							P*	P*							
Polyester Emulsions	—	P		G*		G*														
Polyglycol Ethers	—	P*	P*													G	G			
Polystyrene Emulsions	—	P		G*		G*														
Potassium Acid Sulphate	KHSO ⁴	G	G									G	G							
Potassium Antimonate	KSbO ³	G	G									G	G							
Potassium Bicarbonate	KHCO ³	G*	G*									G	G			G	G			
Potassium Bichromate	K ² Cr ² O ⁷	G*												G						
Potassium Bisulphate	KHSO ⁴	G	G*									G	G							
Potassium Borate	K ² B ⁴ O ⁷	G*	G*					G-L	G-L			G	G							
Potassium Bromate	KBrO ³	G*	G*									G	G							
Potassium Bromide	KBr	G*	G*			G						G	G			G	G			
Potassium Bromide 10% aq sol	KBr																			
Potassium Carbonate	K ² CO ³	G*	G*								G	G	G	G						
Potassium Chlorate	KClO ³	G*	G*			G-L					G	G	G	G						
Potassium Chlorate 5% aq sol	KClO ³																			
Potassium Chloride	KCl	G	G					G	G	G	G	G	G							
Potassium Chromate	K ² CrO ⁴	G*	G*					G-L	G-L	G*	G*	G	G							
Potassium Cuprocyanide	K ² CrO ⁴	G	G									G	G							
Potassium Cyanide	KCN	G	G					G	G	G*	G*	G	G							
Potassium Dichromate	K ² Cr ² O ⁷	G	G					G	G	G*	G*	G	G	G*						
Potassium Ferricyanide	C ⁶ N ⁶ FeK ³	G*	G*					G*	G*			G	G							
Potassium Ferrocyanide	C ⁶ N ⁶ FeK ⁴	G*	G*					G	G			G	G							
Potassium Fluoride	KF	G*	G*									G	G							
Potassium Hydroxide	KHO															G	G			
Potassium Hydroxide 1 % aq sol	KHO	G	G	G	P	G	P	G	G			G	G							
Potassium Hydroxide 10 % aq sol	KHO	G	G	G	P	G	P	G	G			G	G							
Potassium Hydroxide concentrated	KHO	G	P	P	P	G-L*	P	G	G			G	L							
Potassium Hypochlorite	KClO	G										G	G-L							
Potassium Iodine	KI																			
Potassium Nitrate	KNO ³																			

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrell		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Potassium Nitrate 10 % aq sol	KNO ³	G*	G*	G-L	P	G	P	G	G	G	G	G	G	G-L						
Potassium Perborate	BHO ³	G*	G*					G	G			G	G							
Potassium Perchlorate	KClO ⁴	G*										G-L*	G-L*							
Potassium Permanganate	KMnO ⁴	G*		P		P	P	G	G	G	G	P	P	L-P						
Potassium Persulphate	K ² S ² O ⁸	G*	G*							G	G	G	G							
Potassium Phosphate	KH ² PO ⁴	G*	G*									G	G							
Potassium Sulphate	K ² SO ⁴																			
Potassium Sulphate 10 % aq sol	K ² SO ⁴	G*	G*	G	G	G	G	G	G	G	G	G	G	G*						
Potassium Sulphide	K ² S	G	G									G	G			G	G			
Potassium Thiosulphate	H ² S ² O ³ K ²	G	G									G	G							
Propane	C ³ H ⁸	G		G	G	G	G			G	G-L			G-L						
Propargyl Alcohol	C ³ H ⁴ O	G				G*						G	G							
Propylene dichloride	C ³ H ⁶ Cl ²	P*	P*									P	P							
Propylene Glycol	C ³ H ⁸ O ²	G*										G	G			G	G			
Propylene Oxide	C ³ H ⁶ O	P*	P*																	
Pyridine	C ⁵ H ⁵ N			L	P	L	P							P	P					
Saccharase	—	G*	G*																	
Salicylic Acid	C ⁷ H ⁶ O ³					G						G	G							
Sea Water	—	G*	G*	G	G	G	G	G	G	G	G	G	G	G						
Selenic Acid	—											G	G							
Silver Acetate	C ² H ³ AgO ²	G*	G*			G*				G*	G*									
Silver Cyanide	CAgN	G*	G*			G*				G*	G*	G	G							
Silver Nitrate	AgNO ³	G				G*		G	G	G*	G*	G	G	L		G	G			
Soap sol. 10 % aq sol	—	G		G		G		G	G	G*		G		G*						
Soda water	—	G*	G*	G	G	G	G	G*	G*			G*	G*	G*						
Sodium Acetate	C ² H ³ NaO ²	G*										G	G			G	G			
Sodium Acid Sulphate	C ² H ³ NaO ²	G	G									G	G							
Sodium Aluminate	NaAlO ²	G	G									G	G							
Sodium Antimonate	NaO ³ Sb	G	G									G	G							
Sodium Benzoate	C ⁷ H ⁵ NaO ²	G*	P*									G	G							
Sodium Bicarbonate	NaHCO ³	G*	G*			G	G	G	G	G	G	G	G	G*		G	G			
Sodium Bisulphate	NaHSO ⁴	G*	G*	G		G		G	G*	G*	L	G	L*	G	L*	G	G	L*		

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrel		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Sodium Bisulphate 10 % aq sol.	NaHSO ⁵																			
Sodium Borate	Na ² B ⁴ O ⁷	G*										G	G							
Sodium Bromide	NaBr	G*	G*			G						G	G			G	G			
Sodium Bromide 10% aq sol	NaBr																			
Sodium Carbonate	Na ² CO ³	G*	G*	G	G-L	G	L	G	G	G	G	G	G	G-L						
Sodium Carbonate 10% aq sol	Na ² CO ³																			
Sodium Chlorate	NaClO ³	G*	G*			L		G	G	G	G	G	G	G-L						
Sodium Chloride	NaCl	G	G	G	G	G	G	G	G	G	G	G	G	G		G	G			
Sodium Cyanide	CNNa	G	G									G	G							
Sodium Ferricyanide	C ¹⁸ H ²⁹ NaSO ³	G*	G*									G	G							
Sodium Ferrocyanide	C ⁶ FeNa ⁴ N ⁶	G*	G*									G	G							
Sodium Fluoride	NaF	G*										G	G			G	G			
Sodium Hydroxide	NaOH															G	G			
Sodium Hydroxide 1% aq sol	NaOH	G	L	G	P	G	L	G	G	G	G	G	G	G-L		G	G			
Sodium Hydroxide 10% aq sol	NaOH	G	L	G	P	G	L	G	G	G	G	G	G	L		G	G			
Sodium Hydroxide 40% aq sol	NaOH	G	P	G	P	G	P	G	G	G	G	G	G	P		G	G			
Sodium Hydroxide concentrated	NaOH	G	P			P	P	G	G	G	G	G	L	P		G*	G*			
Sodium Hypochlorite 15%	NaClO	G	L			P		G	G	G-L	G-L	G	L	L		G	G			
Sodium Hyposulphate	NaClO	G*	G*																	
Sodium Metaphosphate	Na ⁶ p ⁶ O ¹⁸	G*	G*									G	G							
Sodium Nitrate 10% aq sol	NaNO ³	G*	G*			G	G*	G	G	G	G	G	G	G-L						
Sodium Nitrite	NaNO ²	G*	G*			P				G	G	G	G			G	G			
Sodium Perborate	NaBO ³ .nH ² O	G*				L-P				G	G	G	G							
Sodium Peroxide	Na ² O ²	G*	G*									G	G							
Sodium Phosphate	Na ³ PO ⁴	G*	G*			G				G	G	G	G			G	G			
Sodium Phosphate 10% aq sol	Na ³ PO ⁴																			
Sodium Silicate	Na ² SiO ³	G*	G*					G	G			G	G							
Sodium Sulphate	Na ² SO ⁴	G*	G*			G		G	G	G	G	G	G							
Sodium Sulphate 10% aq sol	Na ² SO ⁵																			
Sodium Sulphide	Na ² S																			
Sodium Sulphide 25% aq sol	Na ² S	G	G	G-L	L	G-L	L	G	G	G	G	G	G	G-L						
Sodium Sulphide concentrated	Na ² S	G	G	G-L	L			G	G	G	G	G	G							

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrell		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Sodium Sulphite	Na ² SO ³	G		G		G		G	G	G	G	G	G	G-L						
Sodium Sulphite 10% aq sol	Na ² SO ⁴																			
Sodium Tetraborate	Na ² B ⁴ O ⁷ .10H ² O	G*																		
Sodium Thiosulphate	Na ² S ² O ³	G	G			G				G	G	G	G							
Soft Soap	—	G										G	G							
Solvent Naptha	—	L*	P*	G	G-L	G	G-L	L*	P*			L*	P*	G-L*						
Stannic Chloride	SnCl ⁴	G	G									G	G							
Stannous Chloride	SnCl ²	G	G									G	G							
Starch	—	G*	G*			G		G	G			G	G							
Steam	H ² O	P		P		P		P				P								
Stearic Acid	C ¹⁸ H ³⁶ O ²	G*	G*	G	G	G	G	G	G	G	G	G	G			G	G			
Stearin (also Stearine)	C ⁵⁷ H ¹¹⁰ O			G	G	G	G	G*	G*			G*	G*							
Styrene	C ⁸ H ⁸	P	P	G		G								L*						
Sucrose	—	G*	G*	G*	G*	G*	G*	G	G	G	G	G	G	G*						
Sulphamic Acid	H ² NSO ³ H	P		P	P	P	P													
Sulphur Colloidal	S			G*		G		G	G	G*		G	G							
Sulphur Dioxide dry	SO ²	G*	G*	G		P	P	G	G	G*		G	G	L						
Sulphur Dioxide liquid	SO ²	L	P*	G		P	P	P	P			P	P	P						
Sulphur Dioxide moist	SO ²	L	P*	G		P	P	G	P			G	L	P						
Sulphur Trioxide	SO ³	F-L*		L-P	P	L-P	P	P	P	P*	P*	F-L*	P*	L-P		G*	G*	P*		
Sulphuric Acid	H ² SO ⁴																			
Sulphuric Acid 10% aq sol	H ² SO ⁴	G	G	G-L	P	L	P	G	G	G	G	G	G	G		G	G			
Sulphuric Acid 20% aq sol	H ² SO ⁴	G	G	L	P	P	P	G	G	G	G	G	G	L-P						
Sulphuric Acid 30% aq sol	H ² SO ⁴	G	G	P	P	P	P	G	G	G	G	G	G	P						
Sulphuric Acid 40% aq sol	H ² SO ⁴	G	G	P	P	P	P	G	G	G	G	G	G	P						
Sulphuric Acid 45% aq sol	H ² SO ⁴	G	G	P	P	P	P	G	G	G	G	G	G	P						
Sulphuric Acid 50% aq sol	H ² SO ⁴	G	L	P	P	P	P	G	G	G	G	G	G	P		G	G			
Sulphuric Acid 55% aq sol	H ² SO ⁴	L	L	P	P	P	P	G-L	G-L	G	G	G	G	P						
Sulphuric Acid 60% aq sol	H ² SO ⁴	L	L	P	P	P	P	G-L	L-P	G	G	G	G	P						
Sulphuric Acid 70% aq sol	H ² SO ⁴	L	P	P	P	P	P	L	P	G	G	L	L	P						
Sulphuric Acid 80% aq sol	H ² SO ⁴	L	P	P	P	P	P	L	P	G	G	L-P	P	P						
Sulphuric Acid 90% aq sol	H ² SO ⁴	P	P	P	P	P	P	P	P	G	G	P	P	P						

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Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrel		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Sulphuric Acid 95% aq sol	H ² SO ⁴	P	P	P	P	P	P	P	P	G	L	P	P	P						
Sulphuric Acid 98% aq sol	H ² SO ⁴	P	P	P	P	P	P	P	P	G-L	L	P	P	P		G	G			
Sulphuric Acid fuming	H ² SO ⁴	P	P	P	P	P	P	P	P	P	P	P	P	P						
Sulphurous Acid	H ² SO ³																			
Sulphurous Acid 10% aq sol	H ² SO ³	G										G	G							
Sulphurous Acid 30% aq sol	H ² SO ³	G										P	P							
Surface Active Agents all concs. (emulsifiers)	—	G*	G*									G	G							
Tallow	—	G*				G		G	G			G	P							
Tannic Acid	C ⁷⁶ H ⁵² O ⁴⁶	G						G	G			G	G			G	G			
Tanning Extracts	—	G*						G	G			G	G							
Tartaric Acid 10% aq sol	C ⁴ H ⁶ O ⁶	G		G	G	G	G	G	G	G	G	G	G	L						
Tetra Ethyl Lead	C ⁸ H ²⁰ Pb	G*				G		G	P	G*		G	P							
Tetrahydrofuran	C ⁴ H ⁸ O	P*	P*			G		P	P	L	P	P	P	P						
Tetrahydronaphthalene	C ¹⁰ H ¹²	P	P							G	P	P	P							
Tetralin	C ¹⁰ H ¹²	P	P			G														
Thionyl Chloride	SOCl ²					P														
Toluene	C ⁷ H ⁸	P*	P*	G	L	G	L	P	P	L	P	P	P	P		G	G			
Transformer Oil	—	G	P	G	G	G		L	P	P*	P*	P	P	L-P						
Tributyl Phosphate	C ¹² H ²⁷ O ⁴ P	P*	P*	G	G	G	G	L	P	L	P	L	P	L						
Trichloroacetic Acid	C ² HCl ³ O ²	P*	P*																	
Trichlorobenzene	C ⁶ H ³ Cl ³	P*	P*									P	P							
Trichloroethane	C ² H ³ Cl ³	P*	P*	L-P	P	L	P					P	P	P	P					
Trichloroethylene	C ² HCl ³	P	P	L-P	P	L	P	P	P	L	P	P	P	P	P	G	G			
Tricresyl Phosphate	C ⁷ H ¹⁵ NO ²	P*	P*	G	G	G	G	P	P	G	G	P	P	L-P	P					
Triethanolamine	C ⁶ H ¹⁵ NO ³	G	G					G	P			P	P							
Triethylene Glycol	C ⁶ H ¹⁴ O ⁴	G*														G	G			
Trimethylamine	C ³ H ⁹ N																			
Trimethylpropane	C ⁸ H ¹⁸																			
Trisodium Phosphate	Na ³ PO ⁴	G	G	G	G	G	G	G	G			P	P	L-P*	P*					
Turpentine	—	L	P			G	G-L	G	P	L*	P*	P	P	G-L		G	G			
Turps Substitute	—	L*	P*	G	G-L	G	G-L	L*	P*			L*	P*	G	L					
Urea - 20% aq sol	CH ⁴ N ² O	G*		G	L	G	L	G	G	G	G	G	G	G-L						

COLEX INTERNATIONAL LIMITED : CHEMICAL RESISTANCE CHART

G = Good Resistance		F - Fair Resistance				L - Limited Resistance				P = Poor Resistance				* = Predicted Data						
Colex International Ltd makes no warranties or guarantees as to the accuracy of this information, or the fitness of a product for a particular application. This information is not a recommendation of any kind. Colex International Limited reserves the right to change specifications without prior notice. Field testing should always be performed to confirm the suitability of the product for the application.																				
Chemical	Chemical Formula	Flex PVC		Nylon 11		Nylon 12		LDPE		HDPE		EVA		PU		PTFE +		Hytrel		Notes
		@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Urea Formaldehyde Sol	CH ⁴ N ² O	P	P	G*		G*														
Uric Acid (dilute)	C ⁵ H ⁴ N ⁴ O ³			G	G	G	G	G	G			G*	G*							
Vegetable Oils	—	G	P	G	G	G	G	G-P	P	G	L	P	P	G*						
Vinegar	C ² H ⁴ O ²	G*		G	G	G	G	G	G	G	G	G	G	G-L						
Vinyl Acetate	C ⁴ H ⁶ O ²	P*	P*																	
Water	H ² O	G	G	G	G	G	G	G	G	G	G	G	G	G	P					
Wetting Agents all concs.	—	G*	G*									G*	G*							
White Spirit	—	L*	P*	G	G-L	G	G-L	L*	P*			L*	P*	G	L					
Wines and Spirits	—	G	L	G		G-L		G	G	G	G	G	G	G						
Xylene	C ⁸ H ¹⁰	P*	P*	G	L	G	L	G	L	L	P	P	P	P		G	G			
Xylenol	C ⁸ H ¹⁰ O	P*	P*											P						
Yeast	—	G*						G	G			G	G							
Zinc Ammonium Carbonate	C ⁴ NO ³ ZN	G*	G*							G*	G*									
Zinc Carbonate	ZnCO ³	G*	G*					G*	G*	G*	G*									
Zinc Chloride 10% aq sol	ZnCl ²	G*	G*	G	L-P	G	G	G	G	G*	G*	G	G	G-L*		G	G			
Zinc Oxide	ZnO	G*	G*					G*	G*	G*	G*	G	G			G	G			
Zinc Sulphide	ZnSO ⁴	G	G					G*	G*	G*	G*	G*	G*			G	G			

+ = Also a good indicator for chemical resistance of PFA and FEP