

# CHEMICAL RESISTANCE CHART



Please find in the table below, resistance ratings for ten primary materials used in the manufacture of our products, against a wide range of chemicals and mixtures. The symbols used to denote performance are as follows:-

- G** Good Resistance
- F** Fair Resistance
- L** Limited Resistance
- P** Poor Resistance

In order to give guidance, the resistance of PVC to some chemicals has been predicted from its resistance to other chemicals which have a similar composition. Such predictions are shown using an asterisk (\*) with the symbols listed above.

G = Good Resistance      L = Limited Resistance  
F = Fair Resistance      P = Poor Resistance

Chemical	Chemical Formula	Flex PVC		PA11		PA12		TPE		LDPE		TPU		Silicon		EVA		PTFE		HDPE	
		@ 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	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C
Acetaldehyde 40% aq sol	C <sub>2</sub> H <sub>4</sub> O	P	P	G-L	P	G	P	G	L	G	G	P	P	G	G	L-P	P	G	G	G	G
Acetaldehyde 100% aq sol	C <sub>2</sub> H <sub>4</sub> O	P	P	L	P	G	P	G	L	G	G	P	P	G	G	L-P	P	G	G	G	G
Acetic Acid 10% aq sol	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	G	L	L	P	L	P	L	P	L	G	P	P	G	G	G	G	G	G	G	G
Acetic Acid 25%	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	G	L	L	P	L	P			G	G	P	P	G	G	G	G	G	G	G	G
Acetic Acid 60% aq sol	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	G	L	L	P	P	P			G	G	P	P	G	G	G-L	G-L	G	G	G	G
Acetic Acid glacial	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	P	P	L	P	L	P	G	G	P	P	P	P	G	G	G-L	G-L	G	G	G	G
Acetic Anhydride	C <sub>2</sub> H <sub>4</sub> O <sub>3</sub>	P	P	L		L		G		P	P	P	P	G	G	L	L-P	G	G	P	P
Acetone 100%	C <sub>3</sub> H <sub>6</sub> O	P	P	G-L	L-P	G	L	P	P	L	P	L	P	L	L	L-P	P	G	G	G	G
Acetone traces	C <sub>3</sub> H <sub>6</sub> O	P	P	G	L	G	L	P	P	L	P	P	P	L	L	L-P	P	G	G	G	G
Acetonitrile	C <sub>2</sub> H <sub>3</sub> N	P	P																		
Acetophenone	C <sub>8</sub> H <sub>8</sub> O	P	P																		
Acetylene Gas	C <sub>2</sub> H <sub>2</sub>	G	G	G	G	G	G	G	G	G	G	G-L	L	L	L			G	G	G	G
Acrylonitrile	CH <sub>2</sub> CHCN	G	G			G	L	L	L	G	G	P	P	G	G			G	G	G	G
Adipic Acid	C <sub>8</sub> H <sub>10</sub> O <sub>4</sub>	G	G							G	G					G	G	G	G		
Alcohol Allyl	C <sub>3</sub> H <sub>6</sub> O	P	P			L	P									G	G				
Alcohol Amyl	C <sub>5</sub> H <sub>11</sub> OH	G	G	G	G	G	G	G	G	G	G	L		P	P	G	G-L	G	G	G	G
Aliphatic Hydrocarbons	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>																				
Allyl Chloride	C <sub>3</sub> H <sub>5</sub> Cl					L											L	P			
Alum	KAl(SO <sub>4</sub> ) <sub>2</sub> ·12H <sub>2</sub> O	G	G	G		G			P	P	G	G	G	L	G	G	G	G	G	G	G
Aluminium Oxalate	AlF <sub>3</sub>	G	G			G											G	G			G
Aluminium Acetate	AlF <sub>3</sub>	G				G											G	G			G
Aluminium Chloride	AlCl <sub>3</sub>	G	G	G		G	G	L	L	G	G	G-L	L	P	P	G	G	G	G	G	G
Aluminium Fluoride	AlCl <sub>3</sub>	G		G		G		G	P	G	G	P	P	G	G	G	G	G	G	G	G
Aluminium Hydroxide	Al(OH) <sub>3</sub>	G		G		G				G	G	L	P	G	G	G	G	G	G	G	G
Aluminium Nitrate	Al(NO <sub>3</sub> ) <sub>3</sub>	G	G	G		G				G	G			L	L			G	G	G	G
Aluminium Oxychloride	Al <sub>2</sub> O <sub>3</sub>	G				G															G
Aluminium Potassium	Al <sub>2</sub> O <sub>3</sub>	G	G	P	P	P	P			G	G			G	G			G	G	G	G
Aluminium Sulphate	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	G	G	G	G	G	G	G	L	G	G	G-L	L	G	G	G	G	G	G	G	G
Ammonia	NH <sub>3</sub>	G				G		G	L	G	G	L	L	L	L			G	G	G	G
Ammonia 0.88S.G.aqsol	NH <sub>3</sub>	L-P	P	G	G	G				L	L	G				G	G	G	G	G	G
Ammonia anhydrous gas	NH <sub>3</sub>	L		G	G	G	G	P	P	F	F	P	P			G	G	G	G	F	
Ammonium Carbonate	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	G	G	G	G	G	G			G	F	P	P	L	L	G	G	G	G	G	G
Ammonium Chloride	(NH <sub>4</sub> )Cl	G	G	G	G	G	G	G	G	G	G	G-L	G-L	G	G	G	G	G	G	G	G
Ammonium Fluoride 20%	(NH <sub>4</sub> )F	G				G															
Ammonium Hydrosulfide	H <sub>5</sub> NS	G				G										G	G				
Ammonium Hydroxide	NH <sub>3</sub> + H <sub>2</sub> O	G	G	G	G	G	G	F	L	G	G	P	P	G	G	G	G	G	G	G	G
Ammonium Metaphosphate	C <sub>2</sub> H <sub>7</sub> NO <sub>2</sub>	G				G	G			G		G		G	G			G	G	G	G
Ammonium Nitrate	(NH <sub>4</sub> )NO <sub>3</sub>	G	G	G	G	G	G	G	F	G	G	P	P	F	F	G	G	G	G	G	G
Ammonium Oxalate	C <sub>2</sub> H <sub>8</sub> N <sub>2</sub> O <sub>4</sub>	G	G			G										G	G				
Ammonium Persulphate	(NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	G	G	P	P	P	P			G	G			P	P	G	G	G	G	G	G
Ammonium Phosphate	(NH <sub>4</sub> ) <sub>3</sub> PO <sub>4</sub>	G	G	G	G	G	F	F	P	G-F	F	G	F	G	G	G	G	G	G	G-F	G-F
Ammonium Sulphate	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	G	G	G	L	G	L	G	G	G	G	G		G	G	G	G	G	G	G	G
Ammonium Sulphide	(NH <sub>4</sub> ) <sub>2</sub> S	G	L	G	G	G	G			G	G					G	G	G	G	G	G
Ammonium Thiocyanate	NH <sub>4</sub> SCN	G	G			G	G			G		L		G	G	G	G				G

It may be safely assumed that chemical resistance decreases with both increasing temperature and with increasing concentration of reagent, and that the reverse is also true. No valid assumptions can be made, however, if the temperature and concentration move in compensating directions.

Chemical resistance of polyurethane hoses and composite hoses sleeved with polyurethane. The polyurethane is not recommended for continuous use in contact with water above 40°C (or solutions containing water above 40°C) because of its hydrolysing effect. Hydrolysis can also occur with long exposure to:

- high humidity at elevated temperatures,
- acid and alkali solutions,
- aerated water,
- fungi and bacteria.

Some substances having a satisfactory rating may give swelling but this is usually minimal. The assumption should not be made that this indicates deterioration of the polyurethane.

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Chemical	Chemical Formula	Flex PVC		PA11		PA12		TPE		LDPE		TPU		Silicon		EVA		PTFE		HDPE		
		@ 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	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Amyl Acetate	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	P	P	G	G	G	G	F	L	P	P	P	P	P	P	P	G	G	G	G	P	
Amyl Alcohol	C <sub>5</sub> H <sub>11</sub> OH	L	L	G	G	F	G	G	G	G	P	L		P	P	G	P	G	G	G	P	
Amyl Chloride	C <sub>5</sub> H <sub>11</sub> Cl	P	P	F	L	F	L			P	P			P	P	P	P	G	G	P	P	
Anethole	C <sub>10</sub> H <sub>12</sub> O			G		G				P	P											
Aniline	C <sub>6</sub> H <sub>7</sub> N	P	P	G	F	G	F	P	P	F	F	P	P	F	F	L	P	G	G	G	F	
Aniline Colouring	C <sub>6</sub> H <sub>7</sub> NH <sub>2</sub>	G	G					L	P	P	P	P	P	L	L			G	G	P	P	
Aniline Hydrochloride	C <sub>6</sub> H <sub>7</sub> ClN	F	F	P	P	P	P			P	P	L-P	P	P	P	L	P	G	G	P	P	
Aniline Sulphate	C <sub>6</sub> H <sub>7</sub> ClN <sub>2</sub>	G				L-P						L-P	P			L	P					
Animal Oils	—	G	P	G	G	G				L	P	G-L				L	P				G	L
Anthraquinone	C <sub>14</sub> H <sub>8</sub> O <sub>2</sub>																					
Anthraquinone Sulphonic Acid	C <sub>7</sub> H <sub>6</sub> O																					
Antimony Chloride	SbCl <sub>3</sub>	G	G					L	L	P	P	G		P	P	G	G	G	G	G	G	
Antimony Trichloride	SbCl <sub>3</sub>	G	G							L	L					G	G					
Aqua Regia concentrated	HNO <sub>3</sub> +HCl	F	F	P	P	P	P			F	F	P	P	P	P	P	P	G	G	F	F	
Aqua Regia dilute	HNO <sub>3</sub> +HCl	F	F	P	P	P	P			F	F	P	P	P	P	P	P	G	G	F	F	
Arcton 11 (Refrigerant)	CCl <sub>3</sub> F											L										
Arcton 113 (Refrigerant)	C <sub>2</sub> Cl <sub>3</sub> F <sub>3</sub>			P	P	P	P					P	P									
Arcton 114 (Refrigerant)	C <sub>2</sub> Cl <sub>3</sub> F <sub>4</sub>																					
Arcton 12 (Refrigerant)	CCl <sub>2</sub> F <sub>2</sub>	P	P	G		G						L										
Arcton 22 (Refrigerant)	CHClF <sub>2</sub>			G		G						L										
Arcton 6 (Refrigerant)	CCl <sub>2</sub> F <sub>2</sub>																					
Arsenic Acid concentrated	H <sub>3</sub> AsO <sub>4</sub>	G	L			P	P			G	G	P	P	L	L	G	G	G	G			
Arysulphonic Acid	As <sub>2</sub> O <sub>5</sub>	P	P																			
Asphalt	—	P	P							G	G	P	P	L	L			G	G			
Barium Carbonate	BaCO <sub>3</sub>	G		G	G	G	G			G	G	G	G	G	G	G	G	G	G	G	G	
Barium Chloride	BaCl <sub>2</sub>	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
Barium Hydroxide	Ba(OH) <sub>2</sub>	G	G	G	G	G	G	G	G	G	G	F		G	G	G	G	G	G	G	G	
Barium Sulphate	BaS	G	G	G	G	G	G	P	P	G	G	G	F	G	G	G	G	G	G	G	G	
Barium Sulphide	BaS	G	G	G	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 <sub>7</sub> H <sub>6</sub> O	P	P	F	F	F	F	F	F	P	P	P	P	P	P	L	P	G	G	G	L-P	
Benzaldehyde traces	C <sub>7</sub> H <sub>6</sub> O	P	P	F	F	F	F	F	F	P	P	P	P	P	P	L	P	G	G	G	L-P	
Benzene	C <sub>6</sub> H <sub>6</sub>	F-L	L	G	G	G	G	F		F	P	L-P	P	P	P	P	P	G	F	P		
Benzoic Acid	C <sub>7</sub> H <sub>6</sub> O <sub>2</sub>	G	G	P	P	P	P	P	P	G	G			F	F	L	L	G	G	G	G	
Benzyl Alcohol	C <sub>7</sub> H <sub>8</sub> O	F	P	L	P	L	P	L-P		G-F	L-P	P	P			P	P	G	G	G-F	L-P	
Benzyl Chloride	C <sub>7</sub> H <sub>7</sub> Cl	G		G	G	G	G					P						G	G			
Bisulfitic Detergents	—					G	G	G	P													
Bleach	—	G	L			G	P	P	P	G	G	L	P	G	G			G	G	G	G	
Borax	—	G	P	G	G	G	G	G	G	G	G	G	G	F	F	G	G	G	G	G	G	
Boric Acid	H <sub>3</sub> BO <sub>3</sub>	G	G	G	F	G	F	G	G	G	G	L	L	L	L	G	G	G	G	G	G	
Brine	—	G	G			G				G	G	G	G			G	G			G	G	
Bromhydric Acid 10%	HBr	G	G					P	P	G	G	P	P	P				G	G	G	G	
Bromhydric Acid 50%	HBr	P	P					P	P	G	G	P	P	P				G	G	L	L	
Bromine – 100% dry gas	Br <sub>2</sub>	L		P	P	P	P	P	P	P	P					P	P	G	G	P	P	
Bromine – liquid	Br <sub>2</sub>	P	P	P	P	P	P	P	P	P	P	P	P			P	P	G	G	P	P	
Bromine traces – gas	Br <sub>2</sub>	L		P	P	P	P	P	P	P	P					P	P	G	G	P	P	
Bromobenzene	C <sub>6</sub> H <sub>5</sub> Br	P	P			G	P	P	P	P	P			P	P			G	G	P	P	
Butadiene	C <sub>4</sub> H <sub>6</sub>	F	F	F	f	F	f			P	P					G	G	G	G	P	P	
Butane Gas	C <sub>4</sub> H <sub>10</sub>	F	F	G	G	G	G	G	G	F	F	G-F	F	P	P	G	G	G	G	F	F	
Butanediol	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	P	P													G	G					
Butyl Acetate	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	P	P	G	G	G						P	P					G	G	G	L	
Butyl Alcohol (Butanol)	C <sub>4</sub> H <sub>10</sub> O	F	F	G-L	L	G-L	L	G	F	G	L	L		L	L	G	L	G	G	G	G	
Butyl Ether	C <sub>8</sub> H <sub>18</sub> O	G	G							G		P		P	P			G	G	G		
Butyl Glycol	C <sub>8</sub> H <sub>18</sub> O <sub>2</sub>	P	P							G		P	P	L	L			G	G			
Butyl Stearate	C <sub>22</sub> H <sub>44</sub> O <sub>2</sub>	P	P					P	P	P	P	G		G	G					P	P	
Butyric Acid 20% aq sol	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	G	G	F	F	F	F	G	G	P	P			P	P	L-P	L-P	G	G	P	P	
Butyric Acid concentrated	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	P	P							P	P			P	P	L-P	L-P	G	G	P		
Calcium Arsenate	Ca <sub>3</sub> As <sub>2</sub> O <sub>8</sub>			G	G	G	G															
Calcium Bisulphite	CaH <sub>2</sub> O <sub>2</sub> S <sub>2</sub>	G	G	G	G	G	G			G	G	G	G	F	F	G	G	G	G	G	G	
Calcium Carbonate	CaCO <sub>3</sub>	G	G	G	G	G	G			G	G			G	G	G	G	G	G	G	G	
Calcium Chlorate	Ca(ClO <sub>3</sub> ) <sub>2</sub>	G	G									G-L	L			G	G	G	G			
Calcium Chloride aq sol	CaCl <sub>2</sub>	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
Calcium Hydroxide	Ca(OH) <sub>2</sub>	G	G	G	G	G	G	G		G	G	L	L	G	G	G	G	G	G	G	G	
Calcium Hypochlorite Dilute	Ca(ClO) <sub>2</sub>	G	G	P	P	P	P	F		G	G	P	P	G	G	G	G	G	G	G	G	
Calcium Sulphide	CaS	G	G							G		P	P	P	P			G	G	G	G	
Carbolic Acid (phenol)	C <sub>6</sub> H <sub>6</sub> O	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	G	G	P	P	
Carbon Bisulfur	CS <sub>2</sub>							P	P	L	L	P	P	P	P			G	G	L	L	
Carbon Dioxide (Dry)	CO <sub>2</sub>	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G	G	G	G	G	G	
Carbon Dioxide (Wet)	CO <sub>2</sub>	G	F			G	F			G		L	P	G	G			G	G	G	G	
Carbon Disulphide	CS <sub>2</sub>	P	P	G-L	L	G	P	P	P	F	P	L-P	P	L	L	P	P	G	G	F	P	
Carbon Monoxide	CO	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
Carbon Tetrachloride	CCl <sub>4</sub>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	G	G	L	P	
Carbonic Acid	H <sub>2</sub> CO <sub>3</sub>	G	G	G	G	G	G	P	P	G	G	G	G	G	G	G	G	G	G	G	G	
Casein	—	G	G																			
Castor Oil	—	L	L	G	G	G	G	G	G	G	L	G	G	G	G	L-P	P	G	G	G	G	
Cetyl Alcohol	C <sub>18</sub> H <sub>34</sub> O	G	G			G										P	P	G	G			
Chloroacetic Acid	C <sub>2</sub> H <sub>3</sub> ClO <sub>2</sub>	L	P	P	P	P	P	P	P	F	F	P	P	G	G			G	G	G	G	

Please note: The information contained within this chemical resistance chart is accurate to the best of our knowledge, and is provided in good faith. It does not constitute a guarantee of the performance of any product supplied by RS Pro. Tests should always be carried out in the specific conditions of use, to ensure reliable performance

G = Good Resistance  
F = Fair Resistance

L = Limited Resistance  
P = Poor Resistance

Chemical	Chemical Formula	Flex PVC		PA11		PA12		TPE		LDPE		TPU		Silicon		EVA		PTFE		HDPE		
		@ 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	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Chloral Hydrate	C <sub>2</sub> H <sub>3</sub> ClO <sub>2</sub>	P	P													L-P	P					
Chloric Acid	HClO <sub>3</sub>			P	P	P	P												G	G		
Chlorine 10% dry gas	Cl <sub>2</sub>	P	P	P	P	L-P	P	P	P	L-P	P	P	P	P	P	P	P	P	G	G	P	P
Chlorine 10% moist gas	Cl <sub>2</sub>	P	P	P	P	L-P	P	P	P	P	P	P	P	P	P	P	P	P	G	G	L	P
Chlorine 100% dry gas	Cl <sub>2</sub>	P	P	P	P	L-P	P	P	P	L-P	P	P	P	P	P	P	P	P			P	P
Chlorine Trifluoride	ClF <sub>3</sub>	P	P																			
Chlorine water 2 % sol	Cl <sub>2</sub> x H <sub>2</sub> O	G	G	G	G	G	G	G		G	G			P	P				G	G	G	G
Chlorine water sat sol	Cl <sub>2</sub> x H <sub>2</sub> O	L				L-P	P			G	G	P	P	P	P	G-L	L-P		G	G	P	P
Chlorobenzene	C <sub>6</sub> H <sub>5</sub> Cl	P	P	P	P	P	P	P	P	F	P	P	P	P	P	P	P	P	G	G	F	P
Chloroform	CHCl <sub>3</sub>	P	P	G	G	G	G	P	P	F	L-P	P	P	P	P	P	P	P	G	G	F	L-P
Chlorosulphonic Acid	ClHSO <sub>3</sub>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	G	G	P	P
Chrome Alum	CrCl <sub>3</sub>	G				G-L	L												G	G		
Chromic Acid 5%	H <sub>2</sub> CrO <sub>4</sub>	G	G	P	P	P	P	P	P	P	P	P	P	F	F	G	G	G	G	G	P	P
Chromic Acid 10%	H <sub>2</sub> CrO <sub>4</sub>	G	G	P	P	P	P	P	P	P	P	P	P	F	F	G	G	G	G	G	P	P
Chromic Acid 30%	H <sub>2</sub> CrO <sub>4</sub>	G	G	P	P	P	P	P	P	P	P	P	P	F	F	G	G	G	G	G	P	P
Chromic Acid 50%	H <sub>2</sub> CrO <sub>4</sub>	L	L	P	P	P	P	P	P	P	P	P	P	L	L	G	G	G	G	G	P	P
Cider	—	G		G		G		G		G		G		G		G		G		G		
Citric Acid	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	G		G	G	G	F	G	F	G	G	L	P	P	P	G	G	G	G	G	G	G
Coal Gas	—	P	P			G																
Coal Tar	—	P	P			G	L	G	L										G	G		
Concentrated Hydrochloric Acid	HCl	L	P			P	P	P	P	G	G	P	P	L	L				G	G	L	L
Concentrated Potassium	—	G	P			G	G	P	P	G	G	P	P						G	G	G	
Concentrated Soda	—	G	P			G	P	P	P	G	G	P	P	L	L				G	G	L	L
Copper Acetate	Cu(CH <sub>3</sub> COO) <sub>2</sub>							G	L	G	G	G	L	G	G				G	G	L	L
Copper Arsenate	—									G		G		G	G				G	G	L	
Copper Chloride	CuCl	G	G	P	P	P	P	G	F	G	G			G	G	G	G	G	G	G	G	G
Copper Cyanide	CuCN	G	G	P	P	P	P			G	G	L	F	G	G	G	G	G	G	G	G	G
Copper Fluoride	CuF	G				F-L													G	G	G	G
Copper Nitrate	Cu(NO <sub>3</sub> ) <sub>2</sub>	G	G	P	P	P	P			G	G								G	G	G	G
Copper Sulphate Solution	CuSO <sub>4</sub>	G	G	L-P	L-P	L-P	L-P	F		G	G	G		G	G	G	G	G	G	G	G	G
Creosote	C <sub>8</sub> H <sub>8</sub>	F-L		P	P	P	P			L		P							P	P	G	L
Cresols	C <sub>7</sub> H <sub>8</sub> O	P	P	P	P	P	P	P	P	F-L	F-L	P	P	P	P	P	P				F-L	F-L
Cresylic Acids	CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> OH	P	P	P	P	P	P			G	G	P	P	P	P	P	P		G	G	G	G
Crude Oil	—	L		G	G	G	G			P	P	G-L	G-L						P	P	G	G
Cupric Chloride	CuCl <sub>2</sub>	G	G																G	G		
Cupric Fluoride	CuF <sub>2</sub>	G																	G	G		
Cupric Nitrate	Cu(NO <sub>3</sub> ) <sub>2</sub>	G	G																G	G		
Cupric Sulphate	Cu(NO <sub>3</sub> ) <sub>2</sub>	G	G																G	G		
Cyanhydric Acid	C <sub>3</sub> H <sub>3</sub> N <sub>3</sub> O <sub>3</sub>							G	P	G	G	L	P						G	G	L	P
Cyanide	—	G	G							G	G	G-L							G	G		
Cyclohexane	C <sub>6</sub> H <sub>12</sub>	P	P	G	L	G	L	P	P	G	F	P	P	P	P	P	P		G	G	G	
Cyclohexanol	C <sub>6</sub> H <sub>12</sub> O	P	P	G	L	G	L	P	P	G	G	L-P	P			G-L	L-P		G	G	G	G
Cyclohexanone	C <sub>6</sub> H <sub>10</sub> O	P	P	G	F	G	F			P	P	L-P	P	P	G-L	L-P			G	G	L	L
DDT Preparation	C <sub>14</sub> H <sub>9</sub> Cl <sub>5</sub>			G		G																
Decalin	C <sub>10</sub> H <sub>18</sub>			G	G	G	G	G	L	L	P								G	G	L	P
Detergent (synthetic) all concentrations	C <sub>18</sub> H <sub>35</sub> N <sub>2</sub> O <sub>2</sub>	G	G			G				G	L-P			G	G	G	G	G	G	G	G	G
Detergents Alkaline	C <sub>18</sub> H <sub>35</sub> N <sub>2</sub> O <sub>2</sub>	G	G			G				G	G			G	G	G	G					
Developers, photographic	—	G	G							G	G								G	G		
Dextrin (Starch gum)	(C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> ) <sub>n</sub>	G	G																G	G		
Dextrose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	G	G																G	G		
Diacetone Alcohol	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	P	P	G	L	G	L	L	P	G	G	P	P	P	P				G	G	G	G
Diammonium Phosphate	H <sub>2</sub> N <sub>2</sub> O <sub>4</sub> P			G	L	G	L															
Dibutyl Phthalate	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	P	P	G	G	G	G	G	L	P	P	P	P	L	L	L	P		G	G		
Dichlorethylene	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	P	P	G	G	L	G	P	P	P	P	P	P	P	P				L	L	P	P
Dichloro Methane	CH <sub>2</sub> Cl <sub>2</sub>	P	P	L		L																
Dichlorobenzene	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	P	P											P	P	P	P					
Dichloroethane	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	P		G	G	G	G			F	L								G	G	F	F
Diesel Oil	—	P	P	G	G	G	G	F	G	F	L	G	G	P	P	L	P		G	G	F	L
Diethyl Ether	C <sub>4</sub> H <sub>10</sub> O	P	P	G	G	G	G	F		P	P	G		P	P	P	P		G	G	P	P
Diethylamine	C <sub>4</sub> H <sub>11</sub> N	P	P					P	P					G	G				G	G		
Diethylene Glycol	C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>	F	L	G	G	G	G	G	L	G	F	G	F	F	F	G	G		G	G	G	F
Diisocyanate	C <sub>6</sub> H <sub>10</sub>	P	P	G		G																
Dimethylamine	C <sub>2</sub> H <sub>7</sub> N	P	P					P	P	L	L			F	F				G	G	L	L
Dimethyl Formanide	C <sub>4</sub> D <sub>2</sub> NO	P	P	G	G	G	G	G	F	G	G	P		L	L				G	G	G	G
Dimethyl Sulphoxide	C <sub>2</sub> H <sub>6</sub> OS	P		F	F	G	F												G	G		
Dimethylcarbinol	C <sub>4</sub> H <sub>10</sub> O	G																				
Diocetyl Phosphate	C <sub>18</sub> H <sub>35</sub> O <sub>4</sub> P	L	P	G	G	G	G			L	P	L							L	P		
Diocetyl Phthalate	C <sub>22</sub> H <sub>38</sub> O <sub>4</sub>	P		G	G	G	G	G	F							L-P	P		G	G		
Dioxane	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	P	P			G	G			L	P	L							L	P		G
Disodium Phosphate	Na <sub>2</sub> O <sub>2</sub> P	G	G							G	G								G	G		
Dodecyl Alcohol	C <sub>12</sub> H <sub>26</sub> O	G	G			G																
Dry Sulphur Anhydride	—					L	P	P	P	L	L	L	P	L	L				G	G		G
Dry Sulphurous Anhydride	—	G	G							G	G	L	P	G	G				G	G	G	
E85	—	P	P			P	P	G	L	P	P	G	G	P	P				G	G	P	P
Emulsifiers all concs.	—	G	G																G	G	G	
Emulsions, photographic	—	G	G																G	G		
Ethane	C <sub>2</sub> H <sub>6</sub>	G	G	P	P	P	P					F		P	P				G	G		
Ethyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	P	P	G	G	G	G	F	P	F	F											

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Chemical	Chemical Formula	Flex PVC		PA11		PA12		TPE		LDPE		TPU		Silicon		EVA		PTFE		HDPE	
		@ 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	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C
Ethyl Benzene	C <sub>6</sub> H <sub>10</sub>	P	P					P	P	L	L	P	P					G	G	L	L
Ethyl Butyrate	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub>	P	P	G	G	G	G									L-P	P	G	G		
Ethyl Cellulose	—							L	P					L	L			G	G		
Ethyl Chloride	C <sub>2</sub> H <sub>5</sub> Cl	P	P	G	G	G	G	P	P	P	P	L-P	P	P	P	P	P	G	G	L	P
Ethyl Ether	C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	P	P	G	L	G	L	P	P	P	P	L	P	P	P	P	P	G	G		
Ethyl Formate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	P	P													L-P	P				
Ethyl Mercatan	C <sub>2</sub> H <sub>5</sub> SH	P	P					G	L	P	P							G	G	P	P
Ethyl Sulphate	C <sub>2</sub> H <sub>5</sub> O <sub>2</sub> S			G	G	G	G											G	G		
Ethylene	C <sub>2</sub> H <sub>4</sub>							G	L			G	G					G	G		
Ethylene Bromide	C <sub>2</sub> H <sub>4</sub> Br <sub>2</sub>	P	P							P	P	P	P	P	P			G	G	P	P
Ethylene Chlorhydrin	C <sub>2</sub> H <sub>4</sub> ClO	P	P	P	P	P	P			P	P			L	L			G	G	P	P
Ethylene Chloride	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	P	P	G	F	G	F	G	L	P	P	L	P	P	P	P	P	G	G	L	P
Ethylene Diamine	C <sub>2</sub> H <sub>4</sub> N <sub>2</sub>	P	P					P	P	G	G			G	G			G	G	G	G
Ethylene Dibromide	C <sub>2</sub> H <sub>4</sub> Br <sub>2</sub>	P	P	G	L	G	L					P						G	G		
Ethylene Dichloride	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	P	P	G	F	G	F	F-L		P	P			P	P	P	P	G	G	P	P
Ethylene Glycol	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	L	P	G	F	G	F	G	F	G	G	L	P	G	G	G	G	G	G	G	G
Ethylene Glycol 30%	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	G	L	G	F	L	F	G	L	G	G	L	P	G	G	G	G	G	G	G	G
Ethylene Oxide	C <sub>2</sub> H <sub>4</sub> O	P	P	G	F	G	F	G	F	G	G	P	P	P	P	P	P	G	G	G	G
Fatty Acids	—	G	G	G	G	G	G			P	P			F	F			G	G	P	P
Ferric Chloride	FeCl <sub>3</sub>	G	G	G	G	G	G	L	L	G	G	G	F	F	F	G	G	G	G	G	G
Ferric Nitrate	Fe(NO <sub>3</sub> ) <sub>3</sub>	G	G	G	G	G	G			G	G	G		F	F	G	G	G	G	G	G
Ferric Sulphate	Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	G	G	G	G	G	G	G		G	G	L	P	F	F	G	G	G	G	G	G
Ferrous Ammonium	Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	G	G														G	G			G
Ferrous Chloride	FeCl <sub>2</sub>	G	G	P	P	P	P	G	L	G	G	P	P	G	G	G	G	G	G	G	G
Ferrous Sulphate	FeSO <sub>4</sub>	G		P	P	P	P	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				
Fluoride Boric Acid	BF <sub>3</sub> H	G	G							G	G	P	P	G	G			G	G	G	G
Fluorine	F <sub>2</sub>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	L	P
Fluosilic Acid 40% aq sol	H <sub>2</sub> SiF <sub>6</sub>	L		P	P	P	P	F		G	G						G	G	G	G	G
Formaldehyde 40% aq sol	CH <sub>2</sub> O	L	P	G	F	G	F	G	F	P	P	L	P	G	G	G	L	G	G	P	P
Formic Acid 3% aq sol	CH <sub>2</sub> O <sub>2</sub>	G	G	P	P	P	P			G	G	P	P				G	G			G
Formic Acid 25% aq sol	CH <sub>2</sub> O <sub>2</sub>	L	P	P	P	P	P			G	G	P	P				G	G			G
Formic Acid 50% aq sol	CH <sub>2</sub> O <sub>2</sub>	L	P	P	P	P	P			G	G	P	P				G	G-L			G
Formic Acid 100% aq sol	CH <sub>2</sub> O <sub>2</sub>	P	P	P	P	P	P	L		P	P	P	P				G	G-L	G	G	P
French Polish	—	P	P	G-L		G-L				G		L	P				G				
Freon 11 (Refrigerant)	CCl <sub>3</sub> F	G	G	P	P	P	P	G		F	F	L		P	P			G	G	F	F
Freon 113 (Refrigerant)	C <sub>2</sub> Cl <sub>2</sub> F <sub>3</sub>	F	F	G	L	G	L	G	F			G		P	P			G	G		
Freon 114 (Refrigerant)	C <sub>2</sub> Cl <sub>2</sub> F <sub>4</sub>			G	L	G	L	G										G	G		
Freon 12 (Refrigerant)	CCl <sub>2</sub> F <sub>2</sub>	G	G	G	F	G	F	G		G	G	L		P	P			G	G	G	G
Freon 22 (Refrigerant)	CHClF <sub>2</sub>	G	G	F	F	G	F					L		P	P			G	G		
Fructose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	G	G	G	G												G	G	G	G	G
Fruit Pulp/Juices	—	G	G	G	G	G				G-L	G-L	G					G	G	G	G	G
Fuel oil	—	G	G	G	G	G	G-L	F	L	F	F	G	L	P	P	L	P	G	G	F	F
Furan (furfuran)	—							G	L					L	L			G	G		
Furfural	C <sub>6</sub> H <sub>4</sub> O <sub>2</sub>	P	P	G	F	G	F	G	F	P	P	P	P	P	P	P	P	G	G	P	P
Gallic Acid	C <sub>6</sub> H <sub>6</sub> O <sub>5</sub>	G	G	G	G	G	G	P	P	G	F	P	P	P	P	P	G	G	G	F	F
Gas Oil	—	G-L	P	G	L	G	L			L	P	G-L					L	P			
Gaz (liquefied petroleum)	C <sub>8</sub> H <sub>12</sub> - C <sub>12</sub> H <sub>26</sub>	P	P																		
Gelatin	—	G	G					G	G	G	G	G	G	G	G			G	G	G	G
Glucose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	G	G	G	G	G	G	G		G	F			G	G	G	G	G	G	G	F
Glycerine	C <sub>3</sub> H <sub>8</sub> (OH) <sub>3</sub>	G	G	G	L	G	L	G	G	G	G	F	F	G	G	G	G	G	G	G	G
Glycerol	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	P	P			G	L	G	G	G	G	G	G	G	G			G	G		
Glycolic Acid 30% aq sol	C <sub>2</sub> H <sub>4</sub> O <sub>3</sub>	G	G							G	G			G	G	G	G	P	P	G	G
Grape Sugar	—	G	G	G	G	G	G			G	G	G	G	G	G	G	G	G	G	G	G
Greases General	—			G	G	G	G			L	P	G-L					L	P			
Greases Mineral	—	L	P	G	G	G	G			L	P	G	G				L	P			
Ground Nut Oil	—	P	P	G	G	G	G			L	P	G	G				L	P			
Heptane	C <sub>7</sub> H <sub>16</sub>	L	L	G	G	G	G	F	F	G	P	G	G	P	P	P	G	G	G	L	
Hexadecanol	C <sub>16</sub> H <sub>34</sub> O	G	G														P	P			
Hexane	C <sub>6</sub> H <sub>14</sub>	L	L	G	F	G	F	G	F	P	P	G	G	P	P			G	G	L	P
Hexyl Alcohol	C <sub>6</sub> H <sub>14</sub> O	G				G															
Hydrazine	N <sub>2</sub> H <sub>4</sub>	P	P					P	P	F	F	P	P	F	F			G	G	G	G
Hydro Fluosilic Acid	N <sub>2</sub> H <sub>3</sub> O	P	P	P	P	P	P	F		G	G	P					G	G	G	G	G
Hydrobromic Acid	HBr	G	G	P	P	P	P			G	F			P	P			G	G	G	F
Hydrobromic Acid 100% aq sol	HBr	G	G							G	G			P	P	P	P				
Hydrobromic Acid 50% aq sol	HBr	G	G							G	G			P	P	L	P				
Hydrochloric acid 10% aq sol	HCl	G	G	G-L	P	P	P			G	G	L-P		P	P	G	G	G	G	G	G
Hydrochloric acid concentrated	HCl	G	L	P	P	P	P			G	G	P		P	P	L	L	G	G		
Hydrocyanic Acid	HCN	F	F	F	F	F	F			G	G			L	L			G	G		
Hydrocyanic Acid 10% aq sol	HCN	G	G							G	G			P	P	G	G				
Hydrofluoric Acid 4% aq sol	HF	G	G							G	G	L-P	P	P	P	G	G				
Hydrofluoric Acid 40% aq sol	HF	G	G							G	G	P	P	P	P	G	G				
Hydrofluoric Acid 60% aq sol	HF	P	P							G	G-L	P	P	P	P	G	G				
Hydrofluoric Acid concentrated	HF	P	P							G	L	P	P	P	P	G	G	G	G		
Hydrogen	H <sub>2</sub>	G	G	G	G	G	G			L	L	G	G				G	G			
Hydrogen Bromide	HBr	G																G	G		
Hydrogen Chloride	HCl	G				P	P										G	G			
Hydrogen Fluoride	HF	G				P	P														
Hydrogen Peroxide 3% (10 vol)	H <sub>2</sub> O <sub>2</sub>	G	G	G-L	P	L-P	P			G	L	G	G	G	G	G	G				
Hydrogen Peroxide 12% (40 vol)	H <sub>2</sub> O <sub>2</sub>	G	G	L-P	P	L-P	P			G	L			G	G	G	G	G	G		
Hydrogen Peroxide 30% (100 vol)	H <sub>2</sub> O <sub>2</sub>	G	G	P	P	P	P			G	L-P			G	G	G	L	G	G		

Please note: The information contained within this chemical resistance chart is accurate to the best of our knowledge, and is provided in good faith. It does not constitute a guarantee of the performance of any product supplied by RS Pro. Tests should always be carried out in the specific conditions of use, to ensure reliable performance

G = Good Resistance  
F = Fair Resistance  
L = Limited Resistance  
P = Poor Resistance

Chemical	Chemical Formula	Flex PVC		PA11		PA12		TPE		LDPE		TPU		Silicon		EVA		PTFE		HDPE		
		@ 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	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Hydrogen Peroxide 90% +	H <sub>2</sub> O <sub>2</sub>	G	G	P	P	P	P			G	P			F	F	G	L	G	G			
Hydrogen Phosphide	H <sub>3</sub> P	G	G														G	G				
Hydrogen Sulphide < 5%	H <sub>2</sub> S	G	G			G	G	G	G	L-P	L-P	L	P	L	L	G	G	G	G			
Hydrogen Sulphide gaseous	H <sub>2</sub> S	G	G							L-P	L			L	L							
Hydroquinone	C <sub>6</sub> H <sub>4</sub> O <sub>2</sub>	G	F	G				G	G	G	G					G	G	G	G	G	G	
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	—	G	G			P				G	G	P	P			L-P	P			P	P	
Iodine (in alcohol)	—	F	F							F	F	L-P	P					G	G			
Iso Octane	C <sub>8</sub> H <sub>18</sub>	P	P					P	P	L	P	G	G					G	G	L	P	
Iso Propyl Alcohol	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub>	G	P	G	P	G	P			G	G	L	P			G	G					
Isobutyl Alcohol	C <sub>4</sub> H <sub>10</sub> O					G		G	L	L	L	L	P					G	G	L	L	
Isocyanate	NCO	P	P	G		G				P	P					P	P					
Isophorone	C <sub>9</sub> H <sub>16</sub> O	P	P																			
Isopropyl Acetate	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	P	P					L	L	F	L	P	P	L	L			G	G			
Isopropyl Alcohol	C <sub>3</sub> H <sub>8</sub> O	G				L										G	G	G	G	G	G	
Isopropyl Alcohol	C <sub>3</sub> H <sub>8</sub> O	G	L			G	L	G	L	G	G	L	P	L	L			G	G	G	G	
Jet Fuel	—	P	P	G		G	I	L	P	L	P	L	P	P	L	P						
Kerosene (Paraffin Oil)	—	G-L	P	G	G-L	G	G-L			L	P	G	L	P	P	L	P	G	G			
Lactic Acid 10% aq sol	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	L	F	G	G	L	L			G	G	L-P	P	G	G	G	G	G	G	G	G	
Lactic Acid 100% aq sol	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	P	P	G	G	L-P	P			G	G	P	P	F	F	G	G	G	G	G	G	
Lanoline	—	G				G														G	L	
Lauric Acid	C <sub>12</sub> H <sub>24</sub> O <sub>2</sub>	G																				
Lauryl Alcohol	C <sub>12</sub> H <sub>26</sub> O	G	G			G																
Lead Acetate	Pb(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub>	G	G			G				G	G	G-L		G	G	G	G			G	G	
Lead Arsenate	As <sub>2</sub> O <sub>5</sub> Pb <sub>3</sub>	G	G			G		G	L	G	G	G-L		G	G	G	G	G	G	G	G	
Lead Nitrate	Pb(NO <sub>3</sub> ) <sub>2</sub>	G	G			G				G	G			F	F	G	G					
Lead Tetraethyl	C <sub>8</sub> H <sub>20</sub> Pb	G		G		G										G-L	P					
Lightning Gas – Town Gas	—					G		G		G		G		G	G			G	G			
Lime	—	G	G							G	G	G	L	G	G			G	G	G	G	
Linoleic Acid	C <sub>18</sub> H <sub>32</sub> O <sub>2</sub>	G	G							G	G			F	F							
Linseed Cake	—			G	G	G	G															
Linseed Oil	—	L	P	G	G	G				L	P	G	G			L	P			L	P	
Lubricating Oil	—	P	P					G	G			G	G					G	G			
Magnesia	—							G	G	G	G	G	G					G	G		P	
Magnesium Carbonate	MgCO <sub>3</sub>	G	G			G				F	F			G	G	G	G	G	G	G	G	
Magnesium Chloride	MgCl <sub>2</sub>	G	G	G	G	G				G	G	G-L				G	G	G	G	G	G	
Magnesium Hydroxide	Mg(OH) <sub>2</sub>	G	G			G				G	G	L		G	G	G	G	G	G	G	G	
Magnesium Nitrate	Mg(NO <sub>3</sub> ) <sub>2</sub>	G	G			G				G	G					G	G	G	G	G	G	
Magnesium Sulphate	MgSO <sub>4</sub>	G	G			G		G	L	G	G	G	L	G	G	G	G	G	G	G	G	
Maleic Acid 25% aq sol	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	G	G							G	G					G	G					
Maleic Acid 50% aq sol	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	G	G							G	G					G	G					
Maleic Acid concentrated	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	L	P							G	G					G	G					
Malic Acid	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	G	G							F	F			F	F			G	G			
Manganese Sulphate	MnSO <sub>4</sub>	F	F							G	G			G	G	G	G	G	G			
Mercuric Chloride	HgCl <sub>2</sub>	P	P			G		G	L	G	G	G	L	G	G	G	G	G	G	L	L	
Mercuric Cyanide	Hg(CN) <sub>2</sub>	G	G			G				G	G			G	G	G	G			G	G	
Mercurous Nitrate	Hg(NO <sub>3</sub> ) <sub>2</sub>	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	
Mesityl Oxide	C <sub>8</sub> H <sub>10</sub> O	P	P																			
Metallic Soaps (water sol)	—	G														G	G					
Methane	CH <sub>4</sub>	G	G	G	G	G	G	G	G	G	G	G-L	L	P	P			G	G			
Methyl Acetate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	P	P	G	G	G	G			P	P	L-P	P	P	P	P	P			P	P	
Methyl Acrylate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>							G	L	G	G			P	P					G	G	
Methyl Alcohol (Methanol)	CH <sub>3</sub> O	G	L							G	G					G	G			G	G	
Methyl Alcohol 10% aq sol	CH <sub>3</sub> O	G	L	G	L	G	L	G		G	G	L-P	P	G	G	G	L	G	G	G	G	
Methyl Amyl	—	G	L			G	L	G	L	G	G	L	P	L	L			G	G	G	G	
Methyl Bromide	CH <sub>3</sub> Br	P	P	G-P	P	G	P									P	P					
Methyl Chloride	CH <sub>3</sub> Cl	P	P	G-P	P	G	P	P	P	P	P	P	P	P	P	P	P	G	G	P	P	
Methyl Ethyl Ketone	C <sub>5</sub> H <sub>10</sub> O	P	P	G	L	G	L	L	P	P	P	L-P	P	P	P	L-P	P	G	G	G	G	
Methyl Isobutyl Ketone	C <sub>6</sub> H <sub>12</sub> O	P	P	G	L	G	L	L	P	F	F	P	P	P	P	L-P	P	G	G			
Methyl Methacrylate	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	P	P					L	P	G	G	P	P	F	F					G	G	
Methyl Sulphate	CH <sub>3</sub> SO <sub>4</sub>	P	P	G-L		G	L															
Methylated Spirit	—	P	P			L	P			L	P	G-L	P			G-L	L-P			G		
Methylene Chloride	CH <sub>2</sub> Cl <sub>2</sub>	P	P			P	P			P	P	L-P	P	G	G	P	P	G	G	L-P	P	
Milk	—	G		G	G	G				G	G					G	G			G	G	
Mineral Oils	—	L	P	G	G	G	G	G	G	L	P	G	L	L	L	L-P	P	G	G	G	G	
Mixed Acids (sulph/nitric)	—		P																			
Molasses	—	G	G											G	G	G	G					
Monochlorobenzene	C <sub>6</sub> H <sub>5</sub> Cl	P	P							P	P	P	P	P	P	P	P	L	L	P	P	
Mustard	—	F	F	G	G	G	G			G	G	G	G			G	G					
Naphtha	—	P	P	G	G-L	G	L			P	P	L	P			P	P	G	G	P	P	
Napthalene	—	P	P	G	G	G	G	L	P	L-P	L-P	L	P	P	P	L-P	P	F	F	L	L	
Naphtha (Light Oil)	—	P	P			G	G	G	G	G	P							G	G			
Natural Gas	—	G	G	G	G	G	G	G	G	G	G	G-L						G	G			
Nickel Chloride	NiCl <sub>2</sub>	G	G			G	G	G	L	G	G	G	L	G	G	G	G	G	G	G	G	
Nickel Nitrate	Ni(NO <sub>3</sub> ) <sub>2</sub>	G	G			G	G			G	G					G	G	G	G	G	G	
Nickel Sulphate/salts	NiSO <sub>4</sub>	G	G			G	G	G	L	G	G	G	L	G	G	G	G	G	G	G	G	
Nicotine	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>															G	G					
Nicotinic Acid	C <sub>6</sub> H <sub>7</sub> NO <sub>2</sub>															G	G					
Nitric Acid 5% aq sol	HNO <sub>3</sub>	G	G	P	P	P	P			G	G	P	P			G	G	G	G	G	G	
Nitric Acid 10% aq sol	HNO <sub>3</sub>	G	L	P	P	P	P			G	G	P	P			G	G	G	G	G	G	

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Chemical	Chemical Formula	Flex PVC		PA11		PA12		TPE		LDPE		TPU		Silicon		EVA		PTFE		HDPE		
		@ 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	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C	
Nitric Acid 25% aq sol	HNO <sub>3</sub>	G	L	P	P	P	P			G	G	P	P			G	G	G	G	G	G	
Nitric Acid 50% aq sol	HNO <sub>3</sub>	G	L	P	P	P	P			P	P	P	P			L	P	G	G	L	L	
Nitric Acid 70% aq sol	HNO <sub>3</sub>	L	P	P	P	P	P			P	P	P	P			P	P	G	G	P	P	
Nitric Acid 95% aq sol	HNO <sub>3</sub>	P	P	P	P	P	P			P	P	P	P			P	P	G	G	P	P	
Nitrobenzene	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	P	P			L	L			P	P			P	P	P	P			L	L	
Nitrogen	N <sub>2</sub>	G	G	G	G	G	G			P	P	G	G	G	G			G	G	G	G	
Nitrogen Peroxide	NO <sub>2</sub>									G	L					L	L			G	G	
Nitropropane	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>	P	P																			
Nitrous Fumes moist	—	P	P																			
Nitrous Oxide Gas	N <sub>2</sub> O	G	L							F	F											
Nonyl Alcohol	C <sub>9</sub> H <sub>20</sub> O	G	G			G	G															
Octane	C <sub>8</sub> H <sub>18</sub>			G	G-L	G	G					G	G							L-P	P	
Octyl Alcohol	C <sub>8</sub> H <sub>18</sub> O	G	G			G	G			G	G											
Oil, Animal	—	G-L	P							L	P	G-L	G-L			L	P					
Oil, ASTM Oil No 1	—	P	P			G	G	G	G			G	G-L	G	G				G	G		
Oil, ASTM Oil No 2	—	P	P					G	G	G	G	G	L									
Oil, ASTM Oil No 3	—	P	P					G	L			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, Etheral	—	P	P																			
Oil, Hydraulic	—																			G	G	
Oil, Hydraulic – petroleum base	—	P	P	G	G	G	G					G	G									
Oil, Hydraulic – synthetic base	—	P	P	G	G	G	G					P	P									
Oil, Mineral	—	G-L	P	G	G	G	G			P	P	G	G-L	F	F	L	P					
Oil, Vegetable	—	G-L	P	G	G	G	G			L	P	G	G-L			L	P					
Oleic Acid	C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>	G	L	G	G	G	G	G	L	L	P	L	P	P	P	P	P	G	G	G	L	
Ortho-dichlorobenzene	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	P	P			G	G	P	P			P	P	P	P				G	G		
Oxalic Acid 10% aq sol	C <sub>2</sub> H <sub>2</sub> O <sub>4</sub> ·2H <sub>2</sub> O	G	G	G	L	G	L			G	G	L	L			G	G	G	G	G	G	
Oxygen	O <sub>2</sub>	G	G	G	F	G	G			L	P	G	G			G	G			G	G	
Ozone	O <sub>3</sub>	G	G	L-P	P	P				P	P	G	G	G	G	P	P	G	G	L	P	
Palmitic Acid	C <sub>16</sub> H <sub>32</sub> O <sub>2</sub>	G	G													G	L					
Paradichlorobenzene	C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub>	P	P			L	P	P	P	P	P	G	G	P	P				G	G	P	P
Paraformaldehyde	OH(CH <sub>2</sub> O) <sub>n</sub> H(n=8-100)					G	G					P	P	G	G				G	G		
Pentane	C <sub>5</sub> H <sub>12</sub>	G	G							P	P			P	P							
Peracetic Acid	C <sub>2</sub> H <sub>4</sub> O <sub>3</sub>	G	G							F	F			P	P							
Perchloric Acid 10% aq sol	HClO <sub>4</sub>	P	P							G	G			P	P	G	G	G	G			
Perchloroethylene	C <sub>2</sub> Cl <sub>4</sub>	P	P	L	P	L	P			P	P	P	P	P	P	P	P					
Petrol	—	P	P	G	G-L	G	G			P	P	G	G	P	P	P	P			G-L	L-P	
Petrol / Benzene mix (A)	—	P	P	G	G-L	G	L			P	P	G-L	L			P	P			G-L	L-P	
Petroleum Ether (A)	—	P	P	G	G-L	G	L			P	P	G-L	L			P	P			L	P	
Phenol	C <sub>6</sub> H <sub>6</sub> O	P	P			P	P	P	P	L	L	P	P	G	G				G	G	L	L
Phenols/Carbolic acid	—	P	P	P	P	P	P			P	P					P	P			G	G	
Phenylcarbinol	C <sub>7</sub> H <sub>8</sub> O	P	P			P	P			P	P	P	P			P	P			P		
Phenyldiazine	C <sub>6</sub> H <sub>8</sub> N <sub>2</sub>	P	P																			
Phosgene gas	CCl <sub>2</sub> O															G-L	P					
Phosgene Liquid	CCl <sub>2</sub> O																					
Phosphates	—	G	G			G	G															
Phosphoric Acid	H <sub>3</sub> PO <sub>4</sub>													P	P				G	G		
Phosphoric Acid 20% aq sol	H <sub>3</sub> PO <sub>4</sub>	G	G	G-L	P	P	P			G	G	L-P	P	P	P	G	G	G	G	G	G	
Phosphoric Acid 30% aq sol	H <sub>3</sub> PO <sub>4</sub>	G	G	G-L	P	P	P			G	G	P	P	P	P	G	G	G	G	G	G	
Phosphoric Acid 50% aq sol	H <sub>3</sub> PO <sub>4</sub>	G	G	G-L	P	P	P			G	G	P	P	P	P	G	G	G	G	G	G	
Phosphoric Acid 95% aq sol	H <sub>3</sub> PO <sub>4</sub>	G	G	P	P	P	P			L	P	P	P	P	P	G	L	G	G	G	L	
Phosphoric Anhydride	O <sub>10</sub> P <sub>4</sub>	G	G			P	P			G	L											
Phosphorus	H <sub>3</sub> PO <sub>4</sub>					P	P			G	P											
Phosphorus Pentoxide	O <sub>10</sub> P <sub>4</sub>	G	G			P	P			G	G					G	G			G	G	
Phosphorus Trichloride	PCl <sub>3</sub>	P	P			P	P			G	G					G	G					
Phthalic Anhydride	C <sub>8</sub> H <sub>4</sub> O <sub>3</sub>	G	G																			
Picric Acid	C <sub>6</sub> H <sub>3</sub> N <sub>3</sub> O <sub>7</sub>							G	L	G	G	P	P	G	G							
Picric Acid 1% aq sol	C <sub>6</sub> H <sub>3</sub> N <sub>3</sub> O <sub>7</sub>	G	G	L	P	L	P			G	G					L	L					
Picric Acid 10% w/w in alcohol	C <sub>6</sub> H <sub>3</sub> N <sub>3</sub> O <sub>7</sub>	G	G	L												P	P					
Polyester Emulsions	—	P	P	G	G	G	G															
Polyglycol Ethers	—	P	P																G	G		
Polystyrene Emulsions	—	P	P	G	G	G	G															
Potassium Acid Sulphate	KHSO <sub>4</sub>	G	G															G	G			
Potassium Antimonate	KSbO <sub>3</sub>	G	G															G	G			
Potassium Bicarbonate	KHCO <sub>3</sub>	G	G							G	G	L		G	G	G	G	G	G			
Potassium Bichromate	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	G	G									G	G									
Potassium Bisulphate	KHSO <sub>4</sub>	G	G															G	G			
Potassium Borate	K <sub>2</sub> B <sub>4</sub> O <sub>7</sub>	G	G					G	G	G-L	G-L			G	G	G	G	G	G	G	G	
Potassium Bromate	KBrO <sub>3</sub>	G	G															G	G			
Potassium Bromide	KBr	G	G			G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
Potassium Bromide 10% aq sol	KBr	G	G			G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
Potassium Carbonate	K <sub>2</sub> CO <sub>3</sub>	G	G			G	L	G	L	G	G	P	P	G	G	G	G	G	G	G	G	
Potassium Chlorate	KClO <sub>3</sub>	G	G			G-L	L			G	G			F	F	G	G			G	G	
Potassium Chlorate 5% aq sol	KClO <sub>3</sub>	G	G			G	G			G	G			F	F	G	G			G	G	
Potassium Chloride	KCl	G	G			G	G	G	L	G	G	G	L	G	G	G	G	G	G	G	G	
Potassium Chromate	K <sub>2</sub> CrO <sub>4</sub>	G	G							G-L	G-L					G	G			G	G	
Potassium Cuprocyanide	K <sub>4</sub> CrO <sub>4</sub>	G	G															G	G			
Potassium Cyanide	KCN	P	P							G	G							G	G		G	
Potassium Dichromate	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	G	G							G	G	G	G	G	G	G	G	G	G	G	G	
Potassium Ferricyanide	C <sub>6</sub> N <sub>6</sub> FeK <sub>3</sub>	G	G							G	G					G	G					
Potassium Ferrocyanide	C <sub>6</sub> N <sub>6</sub> FeK <sub>4</sub>	G	G							G	G					G	G					

Please note: The information contained within this chemical resistance chart is accurate to the best of our knowledge, and is provided in good faith. It does not constitute a guarantee of the performance of any product supplied by RS Pro. Tests should always be carried out in the specific conditions of use, to ensure reliable performance

G = Good Resistance  
F = Fair Resistance  
L = Limited Resistance  
P = Poor Resistance

Chemical	Chemical Formula	Flex PVC		PA11		PA12		TPE		LDPE		TPU		Silicon		EVA		PTFE		HDPE	
		@ 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	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C
Potassium Fluoride	KF	G	G													G	G				
Potassium Hydroxide 1 % aq sol	KHO	G	G	G	P	G	P			G	G			L	L	G	G				
Potassium Hydroxide 10 % aq sol	KHO	G	G	G	P	G	P			G	G			L	L	G	G				
Potassium Hydroxide concentrated	KHO	G	P	P	P	G-L	P			G	G			L	L	G	L				
Potassium Hypochlorite	KClO	G	G							F	F					G	G-L				
Potassium Iodine	KI	G	G							F	F										
Potassium Nitrate	KNO <sub>3</sub>	G	G							G	G			G	G						
Potassium Nitrate 10 % aq sol	KNO <sub>3</sub>	G	G	G-L	P	G	P			G	G	G-L	L			G	G			G	G
Potassium Perborate	BHO <sub>3</sub>	G	G							G	G					G	G				
Potassium Perchlorate	KClO <sub>4</sub>	G	G													G-L	G-L				
Potassium Permanganate	KMnO <sub>4</sub>	G	G	P	P	P	P			G	G	L-P	P			P	P			G	G
Potassium Persulphate	K <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	G	G													G	G			G	G
Potassium Phosphate	KH <sub>2</sub> PO <sub>4</sub>	G	G													G	G				
Potassium Sulphate	K <sub>2</sub> SO <sub>4</sub>	G	G							G	G			G	G						
Potassium Sulphate 10 % aq sol	K <sub>2</sub> SO <sub>4</sub>	G	G	G	G	G	G			G	G	G	G	G	G	G	G			G	G
Potassium Sulphide	K <sub>2</sub> S	G	G							G	G			G	G	G	G	G	G		
Potassium Thiosulphate	H <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K <sub>2</sub>	G	G													G	G				
Propane	C <sub>3</sub> H <sub>8</sub>	G	G	G	G	G	G			F	F	G-L		P	P					G	G-L
Propargyl Alcohol	C <sub>3</sub> H <sub>4</sub> O	G	G			G	G									G	G				
Propylene	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	F	F					G	G					P	P			G	G		
Propylene dichloride	C <sub>3</sub> H <sub>4</sub> Cl <sub>2</sub>	P	P													P	P				
Propylene Glycol	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	G	G													G	G	G	G		
Propylene Oxide	C <sub>3</sub> H <sub>6</sub> O	P	P																		
Pure Acetic Acid	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	P	P			P	P	P	P	P	P	P	P					G	G	P	P
Pyridine	C <sub>5</sub> H <sub>5</sub> N	P	P	L	P	L	P			F	F	P	P	P	P					G	G
Saccharose	—	G	G																		
Salicylic Acid	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>	F	F			G	G			F	F					G	G				
Sea Water	—	G	G	G	G	G	G			G	G	G	G	GG		G	G			G	G
Seed Oil	—									P	P	L		G	G			G	G		
Selenic Acid	—																				
Silicone Oil	—	P	P					G	G	G	G	G	G	G	G			G	G		
Silver Acetate	C <sub>2</sub> H <sub>3</sub> AgO <sub>2</sub>	G	G			G	G													G	G
Silver Cyanide	AgCN	G	G			G	G									G	G			G	G
Silver Nitrate	AgNO <sub>3</sub>	G	G			G	G			G	G	L	L			G	G	G	G	G	G
Soap sol. 10 % aq sol	—	G	G	G	G	G	G			G	G	G	G			G	G			G	G
Soda water	—	G	G	G	G	G	G			G	G	G	G			G	G				
Sodium Acetate	C <sub>2</sub> H <sub>3</sub> NaO <sub>2</sub>	G	G							G	G			P	P	G	G	G	G		
Sodium Acid Sulphate	C <sub>2</sub> H <sub>3</sub> NaO <sub>2</sub>	G	G													G	G				
Sodium Aluminate	NaAlO <sub>2</sub>	G	G							G	G			P	P	G	G				
Sodium Antimonate	NaO <sub>3</sub> Sb	G	G													G	G				
Sodium Benzoate	C <sub>7</sub> H <sub>5</sub> NaO <sub>2</sub>	G	P							G	G					G	G				
Sodium Bicarbonate	NaHCO <sub>3</sub>	G	G			G	G			G	G	G	F	G	G	G	G	G	G	G	G
Sodium Bisulphate	NaHSO <sub>4</sub>	G	G	G	G	G	G	L	L	G	G	G	L	G	G	G	L	G	G	G	L
Sodium Bisulphate 10 % aq sol.	NaHSO <sub>4</sub>	G	G							G	G			G	G						
Sodium Borate	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub>	G	G													G	G				
Sodium Bromide	NaBr	G	G			G				G	G					G	G	G	G		
Sodium Bromide 10% aq sol	NaBr	G	G							G	G										
Sodium Carbonate	Na <sub>2</sub> CO <sub>3</sub>	G	G	G	G-L	G	L			G	G	G-L	L	G	G	G	G			G	G
Sodium Carbonate 10% aq sol	Na <sub>2</sub> CO <sub>3</sub>	G	G	G	G-L	G	L			G	G	G-L	L	G	G	G	G			G	G
Sodium Chlorate	NaClO <sub>3</sub>	G	G			L	P			G	G	G-L	L	L	L	G	G			G	G
Sodium Chloride	NaCl	G	G	G	G	G	G			G	G	G	G	F	F	G	G	G	G	G	G
Sodium Cyanide	CNNa	G	G							G	G			G	G	G	G				
Sodium Ferricyanide	C <sub>18</sub> H <sub>12</sub> Na <sub>3</sub> SO <sub>3</sub>	G	G													G	G				
Sodium Ferrocyanide	C <sub>6</sub> FeNa <sub>3</sub> N <sub>5</sub>	G	G							G	G					G	G				
Sodium Fluoride	NaF	G	G							G	G					G	G	G	G		
Sodium Fluoride Aluminate 10%	—	G	G							G	G	L	L	L	L			G	G		
Sodium Hydroxide 1% aq sol	NaOH	G	L	G	P	G	L			G	G	G-L		G	G	G	G	G	G	G	G
Sodium Hydroxide 10% aq sol	NaOH	G	L	G	P	G	L			G	G	L		G	G	G	G	G	G	G	G
Sodium Hydroxide 40% aq sol	NaOH	G	P	G	P	G	P			G	G	P	P	G	G	G	G	G	G	G	G
Sodium Hydroxide concentrated	NaOH	G	P			P	P			G	G	P	P	G	G	G	L	G	G	G	G
Sodium Hypochlorite 15%	NaClO	G	L			P	P			G	G	L				G	L	G	G	G-L	G-L
Sodium Hypochlorite 30%	NaClO	G	P			P	P			L		P	P	P	P			G	G	L	
Sodium Hyposulphate	NaClO	G	G																		
Sodium Metaphosphate	Na <sub>3</sub> P <sub>3</sub> O <sub>10</sub>	G	G							G	G			G	G	G	G				
Sodium Nitrate 10% aq sol	NaNO <sub>3</sub>	G	G			G	G			G	G	G-L	L	P	P	G	G			G	G
Sodium Nitrite	NaNO <sub>2</sub>	G	G			P	P							P	P	G	G	G	G	G	G
Sodium Perborate	NaBO <sub>3</sub> ·nH <sub>2</sub> O	G	G			L-P	P			G	G			F	F	G	G			G	G
Sodium Peroxide	Na <sub>2</sub> O <sub>2</sub>	G	G							G	G			P	P	G	G				
Sodium Phosphate	Na <sub>3</sub> PO <sub>4</sub>	G	G			G	G									G	G	G	G	G	G
Sodium Phosphate 10% aq sol	Na <sub>3</sub> PO <sub>4</sub>	G	G			G	G									G	G	G	G	G	G
Sodium Silicate	Na <sub>2</sub> SiO <sub>3</sub>	G	G			G	G	G	L	G	G	L	P	G	G	G	G	G	G	G	G
Sodium Sulphate	Na <sub>2</sub> SO <sub>4</sub>	G	G			G	G	G	L	G	G	G	L	G	G	G	G	G	G	G	G
Sodium Sulphate 10% aq sol	Na <sub>2</sub> SO <sub>4</sub>	G	G			G	G			G	G			G	G						
Sodium Sulphide 25% aq sol	Na <sub>2</sub> S	G	G	G-L	L	G-L	L			G	G	G-L	L	G	G	G	G			G	G
Sodium Sulphide concentrated	Na <sub>2</sub> S	G	G	G-L	L					G	G			G	G	G	G			G	G
Sodium Sulphite	Na <sub>2</sub> SO <sub>3</sub>	G	G	G	G	G	G			G	G	G-L	L	G	G	G	G			G	G
Sodium Sulphite 10% aq sol	Na <sub>2</sub> SO <sub>3</sub>	G	G	G	G	G	G			G	G	G-L	L	G	G	G	G			G	G
Sodium Tetraborate	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> ·10H <sub>2</sub> O	G	G													G	G				
Sodium Thiosulphate	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	G	G			G	G			G	G			G	G	G	G			G	G
Soft Soap	—	G	G													G	G				
Solvent Naptha	—	L	P	G	G-L	G	G-L			L	P	G-L	L			L	P				
Stannic Chloride	SnCl <sub>4</sub>	G	G							G	G			F	F	G	G				

G = Good Resistance  
F = Fair Resistance  
L = Limited Resistance  
P = Poor Resistance

Chemical	Chemical Formula	Flex PVC		PA11		PA12		TPE		LDPE		TPU		Silicon		EVA		PTFE		HDPE			
		@ 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	@ 60°C	@ 20°C	@ 50°C	@ 20°C	@ 60°C		
Stannous Chloride	SnCl <sub>2</sub>	G	G													G	G						
Starch	—	G	G			G				G	G					G	G						
Steam	H <sub>2</sub> O	P	P	P	P	P	P			P	P					P	P						
Stearic Acid	C <sub>18</sub> H <sub>36</sub> O <sub>2</sub>	G	G	G	G	G	G	G	L	G	G			L	L	G	G	G	G	G	G		
Stearin (also Stearine)	C <sub>57</sub> H <sub>110</sub> O			G	G	G	G			G	G					G	G						
Styrene	C <sub>8</sub> H <sub>8</sub>	P	P	G	G	G	G					L	L										
Sucrose	—	G	G	G	G	G	G			G	G	G	G	G	G	G	G				G	G	
Sulphamic Acid	H <sub>2</sub> NSO <sub>3</sub> H	P	P	P	P	P	P																
Sulfur Chloride	SCl <sub>2</sub>	P	P					L	L	P	P	G	L	P	P			G	G	P	P		
Sulphur Colloidal	S			G	G	G				G	G					G	G				G	G	
Sulphur Dioxide dry	SO <sub>2</sub>	G	G	G	G	P	P			G	G	L		F	F	G	G				G	G	
Sulphur Dioxide liquid	SO <sub>2</sub>	L	P	G	G	P	P			P	P	P	P	F	F	P	P						
Sulphur Dioxide moist	SO <sub>2</sub>	L	P	G	G	P	P			G	P	P	P	F	F	G	L						
Sulphur Trioxide	SO <sub>3</sub>	F-L	L	L-P	P	L-P	P	P	P	P	P	L-P	P	P	P	F-L	P	G	G	P	P		
Sulphuric Acid 10% aq sol	H <sub>2</sub> SO <sub>4</sub>	G	G	G-L	P	L	P			G	G	G	P	F	F	G	G	G	G	G	G	G	
Sulphuric Acid 20% aq sol	H <sub>2</sub> SO <sub>4</sub>	G	G	L	P	P	P			G	G	L-P	P	P	P	G	G				G	G	
Sulphuric Acid 30% aq sol	H <sub>2</sub> SO <sub>4</sub>	G	G	P	P	P	P			G	G	P	P	P	P	G	G				G	G	
Sulphuric Acid 40% aq sol	H <sub>2</sub> SO <sub>4</sub>	G	G	P	P	P	P			G	G	P	P	P	P	G	G				G	G	
Sulphuric Acid 45% aq sol	H <sub>2</sub> SO <sub>4</sub>	G	G	P	P	P	P			G	G	P	P	P	P	G	G				G	G	
Sulphuric Acid 50% aq sol	H <sub>2</sub> SO <sub>4</sub>	G	L	P	P	P	P			G	G	P	P	P	P	G	G	G	G		G	G	
Sulphuric Acid 55% aq sol	H <sub>2</sub> SO <sub>4</sub>	L	L	P	P	P	P			G-L	G-L	P	P	P	P	G	G				G	G	
Sulphuric Acid 60% aq sol	H <sub>2</sub> SO <sub>4</sub>	L	L	P	P	P	P			G-L	L-P	P	P	P	P	G	G				G	G	
Sulphuric Acid 70% aq sol	H <sub>2</sub> SO <sub>4</sub>	L	P	P	P	P	P			L	P	P	P	P	P	L	L				G	G	
Sulphuric Acid 80% aq sol	H <sub>2</sub> SO <sub>4</sub>	L	P	P	P	P	P			L	P	P	P	P	P	L-P	P				G	G	
Sulphuric Acid 90% aq sol	H <sub>2</sub> SO <sub>4</sub>	P	P	P	P	P	P			P	P	P	P	P	P	P	P				G	G	
Sulphuric Acid 95% aq sol	H <sub>2</sub> SO <sub>4</sub>	P	P	P	P	P	P			P	P	P	P	P	P	P	P				G	L	
Sulphuric Acid 98% aq sol	H <sub>2</sub> SO <sub>4</sub>	P	P	P	P	P	P			P	P	P	P	P	P	P	P	G	G	G-L	L		
Sulphuric Acid fuming	H <sub>2</sub> SO <sub>4</sub>	P	P	P	P	P	P			P	P	P	P	P	P	P	P				P	P	
Surface Active Agents all concs. (emulsifiers)	—	G	G													G	G						
Tallow	—	G	G			G	G			G	G					G	P						
Tannic Acid	C <sub>76</sub> H <sub>52</sub> O <sub>46</sub>	G	G							G	G			G	G	G	G	G	G				
Tanning Extracts	—	G	G							G	G					G	G						
Tartaric Acid 10% aq sol	C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>	G	G	G	G	G	G			G	G	L	L	G	G	G	G				G	G	
Tetra Ethyl Lead	C <sub>8</sub> H <sub>20</sub> Pb	G	G			G	G			G	P					G	P				G	G	
Tetrahydrofuran	C <sub>4</sub> H <sub>8</sub> O	P	P			G	G			P	P	P	P	P	P	P	P				L	P	
Tetrahydronaphthalene	C <sub>10</sub> H <sub>12</sub>	P	P							P	P			P	P	P	P				G	P	
Tetralin	C <sub>10</sub> H <sub>12</sub>	P	P			G	G																
Thionyl Chloride	SOCl <sub>2</sub>					P	P																
Thiosulphate Sodium	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	G	G					G	P	G	G	L	L	G	G			G	G	G	G	G	
Tin Chloride	SnCl <sub>4</sub>	G	G					P	P	G	G	L	L	P	P			G	G	G	G	G	
Toluene	C <sub>7</sub> H <sub>8</sub>	P	P	G	L	G	L			P	P	P	P	P	P	P	P	G	G	L	P		
Transformer Oil	—	G	P	G	G	G	G			L	P	L-P	P			P	P				P	P	
Tributyl Phosphate	C <sub>12</sub> H <sub>27</sub> O <sub>3</sub> P	P	P	G	G	G	G			L	P	L	L			L	P				L	P	
Trichloroacetic Acid	C <sub>2</sub> HCl <sub>3</sub> O <sub>2</sub>	P	P																				
Trichlorobenzene	C <sub>6</sub> H <sub>3</sub> Cl <sub>3</sub>	P	P															P	P				
Trichloroethane	C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub>	P	P	L-P	P	L	P					P	P			P	P						
Trichloroethylene	C <sub>2</sub> HCl <sub>3</sub>	P	P	L-P	P	L	P			P	P	P	P			P	P	G	G	L	P		
Tricresyl Phosphate	C <sub>7</sub> H <sub>15</sub> NO <sub>3</sub>	P	P	G	G	G	G			P	P	L-P	P			P	P				G	G	
Triethanolamine	C <sub>6</sub> H <sub>15</sub> NO <sub>3</sub>	G	G							G	P					P	P						
Triethylene Glycol	C <sub>6</sub> H <sub>14</sub> O <sub>4</sub>	G	G															G	G				
Trisodium Phosphate	Na <sub>3</sub> PO <sub>4</sub>	G	G	G	G	G	G			G	G	L-P	P	G	G	P	P						
Turpentine	—	L	P			G	G-L			G	P	G-L	L	P	P	P	P	G	G	L	P		
Turpent Petrol	—	P	P			G	G	L	P	L	P	L	P	P	P			G	G	L	P		
Turps Substitute	—	L	P	G	G-L	G	G-L			L	P	G	L			L	P						
Unleaded Gas	—	P	P			G	G	G	L	G	L	G	L					G	G	L	P		
Urea – 20% aq sol	CH <sub>4</sub> N <sub>2</sub> O	G		G	L	G	L			G	G	G-L		G	G	G	G				G	G	
Urea Formaldehyde Sol	CH <sub>3</sub> N <sub>2</sub> O	P	P	G		G																	
Uric Acid (dilute)	C <sub>5</sub> H <sub>4</sub> N <sub>4</sub> O <sub>3</sub>	G	G	G	G	G	G			G	G					G	G						
Vegetable Oils	—	G	P	G	G	G	G			G-P	P	G				P	P				G	L	
Vinegar	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	G	G	G	G	G	G			G	G	G-L	L	G	G	G	G				G	G	
Vinyl Acetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	P	P																				
Vinyl Chloride	C <sub>2</sub> H <sub>3</sub> Cl	P	P							G	G	P	P	P	P			G	G	G	G		
Water	H <sub>2</sub> O	G	G	G	G	G	G			G	G	G		F	F	G	G				G	G	
Wetting Agents all concs.	—	G	G													G	G						
White Spirit	—	L	P	G	G-L	G	G-L			L	P	G	L			L	P						
Wines and Spirits	—	G	L	G	G	G-L	L			G	G	G	G			G	G				G	G	
Xylene	C <sub>8</sub> H <sub>10</sub>	P	P	G	L	G	L			G	L	P	P			P	P	G	G	L	P		
Xylenol	C <sub>8</sub> H <sub>10</sub> O	P	P									P	P										
Yeast	—	G	G							G	G					G	G						
Zinc Ammonium Carbonate	C <sub>4</sub> NO <sub>2</sub> ZN	G	G																			G	G
Zinc Carbonate	ZnCO <sub>3</sub>	G	G							G	G											G	G
Zinc Chloride 10% aq sol	ZnCl <sub>2</sub>	G	G	G	L-P	G	G			G	G	G-L	L	G	G	G	G	G	G	G	G	G	
Zinc Oxide	ZnO	G	G							G	G					G	G	G	G	G	G	G	
Zinc Sulphate	ZnSO <sub>4</sub>	G	G					G	L	G	G	G	L	G	G			G	G	G	G	G	
Zinc Sulphide	ZnS	G	G							G	G					G	G	G	G	G	G	G	

Please note: The information contained within this chemical resistance chart is accurate to the best of our knowledge, and is provided in good faith. It does not constitute a guarantee of the performance of any product supplied by RS Pro. Tests should always be carried out in the specific conditions of use, to ensure reliable performance