

Materials & Chemical Resistance Information

Halar®

Chemical Designation: Ethylene ChloroTriFluoroEthylene

Norm: ECTFE

Halar®

chemical:		acetaldehyde			
chemical formula:		{CH ₃ CHO}			
chemical group:		AL/K	CAS-No.: 75-07-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	

chemical:		Acetic acid			
chemical formula:		{CH ₃ COOH}			
chemical group:		ORAC	CAS-No.: 64-19-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	75	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	25	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	technical pure

chemical:	Acetic acid				
chemical formula:	{CH ₃ COOH}				
chemical group:	ORAC	CAS-No.:	64-19-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	technical pure

chemical:	acetone				
chemical formula:	{CH ₃ COCH ₃ - C ₃ H ₆ O}				
chemical group:	AL/K	CAS-No.:	67-64-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	technical pure

chemical:	Acetonitrile				
chemical formula:	{CH ₃ CN}				
chemical group:	NITR	CAS-No.:	75-05-08	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Acetophenone				
chemical formula:	{C ₆ H ₅ COCH ₃ }				
chemical group:	ARHC	CAS-No.:	98-86-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	

chemical:	Acetyl chloride				
chemical formula:	{CH ₃ COCl}				
chemical group:	CFHC	CAS-No.:	75-36-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	limited resistance	

chemical:	Acrylic acid				
chemical formula:	{CH ₂ CHCOOH}				
chemical group:	ORAC	CAS-No.:	79-10-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Acrylonitrile				
chemical formula:	{CH ₂ :CHCN }				
chemical group:	NITR	CAS-No.:	107-13-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	not resistant	technical pure

chemical:	Allyl alcohol				
chemical formula:	{CH ₂ :CHCH ₂ OH}				
chemical group:	ORAC	CAS-No.:	107-18-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	75	°C	resistant	

chemical:	Allyl chloride				
chemical formula:	{CH ₂ :CHCH ₂ Cl}				
chemical group:	CFHC	CAS-No.:	107-05-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Aluminium chloride				
chemical formula:	{AlCl ₃ }				
chemical group:	SALT	CAS-No.:	7446-70-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	150	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	resistant	

chemical:	Aluminium fluoride				
chemical formula:	{AlF ₃ }				
chemical group:	SALT	CAS-No.:	7784-18-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	saturated aqueous solution

chemical:	Aluminium fluoride				
chemical formula:	{AlF ₃ }				
chemical group:	SALT	CAS-No.:	7784-18-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	150	°C	resistant	saturated aqueous solution

chemical:	Aluminium hydroxide				
chemical formula:	{Al(OH) ₃ }				
chemical group:	IOBA	CAS-No.:	21645-51-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	150	°C	resistant	saturated aqueous solution

chemical:	Aluminium sulphate				
chemical formula:	{Al ₂ (SO ₄) ₃ }				
chemical group:	SALT	CAS-No.:	10043-01-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	125	°C	resistant	aqueous

chemical:	Ammonia (anhydrous gas)				
chemical formula:	{NH3}				
chemical group:	IOBA	CAS-No.:	7664-41-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	125	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	150	°C	resistant	technical pure

chemical:	Ammonium acetate				
chemical formula:	{CH3COONH4}				
chemical group:	SALT	CAS-No.:	631-61-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	not resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	not resistant	saturated aqueous solution

chemical:	Ammonium carbonate				
chemical formula:	{(NH4)2CO3}				
chemical group:	SALT	CAS-No.:	506-87-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	20	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	125	°C	resistant	aqueous

chemical:	Ammonium chloride				
chemical formula:	{NH ₄ CL}				
chemical group:	SALT	CAS-No.:	12125-02-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	saturated
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	saturated
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	saturated
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	saturated
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	saturated
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	150	°C	resistant	saturated

chemical:	Ammonium fluoride				
chemical formula:	{NH ₄ F}				
chemical group:	SALT	CAS-No.:	12125-01-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	all aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	all aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	all aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	all aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	all aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	150	°C	resistant	all aqueous

chemical:	Ammonium hydroxide				
chemical formula:	{NH ₄ OH}				
chemical group:	IOBA	CAS-No.:	1336-21-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	20	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	aqueous

chemical:	Ammonium hydroxide				
chemical formula:	{NH ₄ OH}				
chemical group:	IOBA	CAS-No.:	1336-21-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	125	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	150	°C	resistant	aqueous

chemical:	Ammonium nitrate (fertilizer)				
chemical formula:	{NH ₄ NO ₃ }				
chemical group:	SALT	CAS-No.:	6484-52-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	150	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	saturated
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	saturated
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	saturated
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	saturated

chemical:	Ammonium phosphate (fertilizer)				
chemical formula:	{(NH ₄) ₂ HPO ₄ }				
chemical group:	SALT	CAS-No.:	7783-28-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	saturated
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	saturated
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	saturated
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	saturated

chemical:	Ammonium phosphate (fertilizer)				
chemical formula:	{(NH ₄) ₂ HPO ₄ }				
chemical group:	SALT	CAS-No.:	7783-28-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	125	°C	resistant	saturated
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	150	°C	resistant	saturated

chemical:	Amyl acetate				
chemical formula:	{CH ₃ COOC ₅ H ₁₁ }				
chemical group:	ESTR	CAS-No.:	628-73-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	not resistant	technical pure

chemical:	Amyl chloride				
chemical formula:	{CH ₃ (CH ₂) ₃ CH ₂ Cl}				
chemical group:	CFHC	CAS-No.:	543-59-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Aniline				
chemical formula:	{C ₆ H ₅ NH ₂ }				
chemical group:	AMIN	CAS-No.:	62-53-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	125	°C	limited resistance	

chemical:	Antimony trichloride				
chemical formula:	{SbCl ₃ }				
chemical group:	SALT	CAS-No.:	10025-91-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	50	°C	limited resistance	

chemical:	Aqua regia concentration:HCl/HNO₃(65%/35%)=2/1				
chemical formula:	{HNO ₃ +HCl}				
chemical group:	IOAC	CAS-No.:	8007-56-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	

chemical:	Arsenic acid				
chemical formula:	{H ₃ AsO ₄ }				
chemical group:		CAS-No.:	7778-39-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	20	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	150	°C	resistant	

chemical:	Barium salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	7440-39-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	

chemical:		Barium salts			
chemical formula:		--			
chemical group:		SALT	CAS-No.: 7440-39-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	150	°C	resistant	

chemical:		Benzaldehyde			
chemical formula:		{C6H5CHO}			
chemical group:		AL/K	CAS-No.: 100-52-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	80	°C	not resistant	

chemical:		Benzene			
chemical formula:		{C6H6}			
chemical group:		ARHC	CAS-No.: 71-43-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	not resistant	

chemical:		Benzenesulfonic acid			
chemical formula:		{C6H5SO3H}			
chemical group:			CAS-No.: 98-11-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	20	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	not resistant	

chemical:	Benzoic acid				
chemical formula:	{C6H5COOH}				
chemical group:	ORAC	CAS-No.:	65-85-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Benzoyl chloride				
chemical formula:	{C6H5COCl}				
chemical group:		CAS-No.:	98-88-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
100	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
100	%	50	°C	resistant	

chemical:	Benzyl alcohol				
chemical formula:	{C6H5CH2OH}				
chemical group:	ALCO	CAS-No.:	100-51-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Boracic acid				
chemical formula:	{H3BO3}				
chemical group:	IOAC	CAS-No.:	10043-35-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Boracic acid				
chemical formula:	{H3BO3}				
chemical group:	IOAC	CAS-No.:	10043-35-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	150	°C	resistant	

chemical:	Borax				
chemical formula:	{Na2B4O7}				
chemical group:	SALT	CAS-No.:	1303-43-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Bromine (liquid)				
chemical formula:	{Br2 }				
chemical group:	HALO	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	

chemical:	Bromine (vapours)				
chemical formula:	{Br2}				
chemical group:	HALO	CAS-No.:	7726-95-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	

chemical:	Bromine water				
chemical formula:	{Br-H2O}				
chemical group:	HALO	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
3	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
3	%	50	°C	resistant	

chemical:	Bromine water				
chemical formula:	{Br-H ₂ O}				
chemical group:	HALO	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
3	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
3	%	100	°C	resistant	

chemical:	Bromomethane				
chemical formula:	{CH ₃ Br}				
chemical group:	CFHC	CAS-No.:	74-83-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Butadiene				
chemical formula:	{CH ₂ :CHHC:CH ₂ }				
chemical group:	ALHC	CAS-No.:	106-99-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	125	°C	limited resistance	

chemical:	Butane				
chemical formula:	{C ₄ H ₁₀ }				
chemical group:	ALHC	CAS-No.:	106-97-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Butanoic acid				
chemical formula:	{CH ₃ CH ₂ CH ₂ COOH}				
chemical group:	ORAC	CAS-No.:	107-92-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Butanol/Butyl alcohol				
chemical formula:	{C ₄ H ₉ OH}				
chemical group:	ALCO	CAS-No.:	71-36-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Butyl acetate				
chemical formula:	{CH ₃ COOC ₄ H ₉ }				
chemical group:	ESTR	CAS-No.:	123-86-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	not resistant	

chemical:	Butylamine				
chemical formula:	{CH ₃ (CH ₂) ₃ NH ₂ }				
chemical group:	AMIN	CAS-No.:	109-73-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	

chemical:	Butylene				
chemical formula:	{C ₄ H ₈ }				
chemical group:	ALHC	CAS-No.:	25167-67-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Butylene				
chemical formula:	{C4H8}				
chemical group:	ALHC	CAS-No.:	25167-67-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Butylene glycol				
chemical formula:	{HOCH2(CH2)2CH2OH}				
chemical group:	ALCO	CAS-No.:	110-63-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	20	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	resistant	

chemical:	Calcium carbonate				
chemical formula:	{CaCO3}				
chemical group:	SALT	CAS-No.:	471-34-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

chemical:	Calcium chloride				
chemical formula:	{CaCl2}				
chemical group:	SALT	CAS-No.:	10043-52-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	

chemical:	Calcium chloride				
chemical formula:	{CaCl ₂ }				
chemical group:	SALT	CAS-No.:	10043-52-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	150	°C	resistant	

chemical:	Calcium hydroxide				
chemical formula:	{Ca(OH) ₂ }				
chemical group:	IOBA	CAS-No.:	1305-62-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	150	°C	resistant	

chemical:	Calcium hypochlorite				
chemical formula:	{Ca(OCl) ₂ }				
chemical group:	SALT	CAS-No.:	7778-54-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	150	°C	resistant	

chemical:	Carbon dioxide moist				
chemical formula:	{CO ₂ }				
chemical group:	ELSE	CAS-No.:	124-38-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	150	°C	resistant	

chemical:	Chloral hydrate				
chemical formula:	{CCl ₃ CH(OH) ₂ }				
chemical group:	CFHC	CAS-No.:	302-17-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Chlorine (aqueous)				
chemical formula:	{Cl ₂ }				
chemical group:	HALO	CAS-No.:	7782-50-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	blistering possible, without UV
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	blistering possible, without UV
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	blistering possible, without UV
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	blistering possible, without UV

chemical:	Chlorine water - Cl-water				
chemical formula:	{Cl ₂ IN H ₂ O}				
chemical group:	HALO	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	

chemical:	Chlorine water - Cl-water				
chemical formula:	{Cl ₂ IN H ₂ O}				
chemical group:	HALO	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Chloroacetic acid				
chemical formula:	{CH ₂ ClCOOH}				
chemical group:	ORAC	CAS-No.:	79-11-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	125	°C	limited resistance	

chemical:	Chlorobenzene				
chemical formula:	{C ₆ H ₅ Cl}				
chemical group:	ARHC	CAS-No.:	108-90-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	not resistant	

chemical:	Chloroform				
chemical formula:	{CHCl ₃ }				
chemical group:	CFHC	CAS-No.:	67-66-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	

chemical:	Chlorohydric acid				
chemical formula:	{HCl}				
chemical group:	IOAC	CAS-No.:	7647-01-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
36	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
36	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
36	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
36	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
36	%	125	°C	resistant	

chemical:	Chloromethane				
chemical formula:	{CH ₃ Cl}				
chemical group:	CFHC	CAS-No.:	74-87-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Chloromethyl ether				
chemical formula:	{CH ₃ OCH ₂ Cl}				
chemical group:	ETHR	CAS-No.:	542-88-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Chlorosulfonic acid				
chemical formula:	{HSO ₃ Cl}				
chemical group:	IOAC	CAS-No.:	7790-94-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	40	°C	limited resistance	

chemical:	Chromic acid				
chemical formula:	{CrO ₃ +H ₂ O (H ₂ CrO ₄)}				
chemical group:	IOAC	CAS-No.:	7738-94-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	technical pure

chemical:	Chromic anhydride				
chemical formula:	{CrO ₃ }				
chemical group:	ELSE	CAS-No.:	1333-82-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	

chemical:	Chromium(VI) oxide				
chemical formula:	{CrO ₃ }				
chemical group:	ELSE	CAS-No.:	1333-82-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	

chemical:	Chromosulfate III				
chemical formula:	{Cr ₂ (SO ₄) ₃ x n H ₂ O}				
chemical group:		CAS-No.:	15244-38-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Chromosulfuric acid (Concentration 15/50/35 %)				
chemical formula:	{H2SO4+CrO3+H2O}				
chemical group:		CAS-No.:	65272-71-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	RT	°C	resistant	Concentration: 15%H2SO4:50%CrO3:35%H2O

chemical:	Citric acid				
chemical formula:	{C3H4OH(COOH)3}				
chemical group:	ORAC	CAS-No.:	77-92-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	resistant	

chemical:	Copper chloride				
chemical formula:	{CuCl2}				
chemical group:	SALT	CAS-No.:	7447-39-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	150	°C	resistant	

chemical:	Copper salts (copper nitrate, -carbonate, -chloride, -cyanide, -sulfate)				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	20	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	

chemical:	Copper salts (copper nitrate, -carbonate, -chloride, -cyanide, -sulfate)				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	150	°C	resistant	

chemical:	Copper sulphate				
chemical formula:	{CuSO ₄ }				
chemical group:	SALT	CAS-No.:	7758-98-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	150	°C	resistant	

chemical:	Cresols (o-,m-,p-)				
chemical formula:	{CH ₃ C ₆ H ₄ OH - C ₇ H ₈ O}				
chemical group:	PHEN	CAS-No.:	1319-77-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	75	°C	resistant	

chemical:	Cyclohexane				
chemical formula:	{C ₆ H ₁₂ }				
chemical group:	OTHC	CAS-No.:	110-82-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Cyclohexane				
chemical formula:	{C6H12}				
chemical group:	OTHC	CAS-No.:	110-82-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Cyclohexanol				
chemical formula:	{C6H11OH}				
chemical group:	ALCO	CAS-No.:	108-93-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Cyclohexanone				
chemical formula:	{C6H10 O}				
chemical group:	ETHR	CAS-No.:	108-94-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Cyclopentanon				
chemical formula:	{C5H8O}				
chemical group:		CAS-No.:	120-92-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Decahydronaphtalene				
chemical formula:	{C10H18}				
chemical group:	ARHC	CAS-No.:	91-17-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Dextrin usual concentrations				
chemical formula:	{(C6H10O5)n}				
chemical group:	OTHC	CAS-No.:	9004-53-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Dextrin usual concentrations				
chemical formula:	{(C ₆ H ₁₀ O ₅) _n }				
chemical group:	OTHC	CAS-No.:	9004-53-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	125	°C	limited resistance	

chemical:	Diaminoethane				
chemical formula:	{NH ₂ C ₂ H ₄ NH ₂ }				
chemical group:	AMIN	CAS-No.:	107-15-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	not resistant	

chemical:	Dibutyl ether				
chemical formula:	{C ₄ H ₉ OC ₄ H ₉ }				
chemical group:	ETHR	CAS-No.:	142-96-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Dibutyl sebacate				
chemical formula:	{C ₆ H ₄ [COOC ₄ H ₉] ₂ - C ₁₆ H ₂₂ O ₄ }				
chemical group:		CAS-No.:	109-43-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Dichloroacetic acid				
chemical formula:	{CHCl ₂ COOH}				
chemical group:	ORAC	CAS-No.:	79-43-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	40	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	

chemical:	Dichlorobenzene				
chemical formula:	{C ₆ H ₄ Cl ₂ }				
chemical group:	ARHC	CAS-No.:	25321-22-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	not resistant	

chemical:	Dichloroethylene				
chemical formula:	{CH ₂ CCl ₂ - C ₂ H ₂ Cl ₂ }				
chemical group:	CFHC	CAS-No.:	540-59-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	40	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	technical pure

chemical:	Diesel (DIN 51601)				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	

chemical:	Diesel (DIN 51601)				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Diethylene ether				
chemical formula:	{C4H8O2}				
chemical group:		CAS-No.:	54841-74-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	25	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Diisobutyl ketone				
chemical formula:	{(CH3)2CHCH2COCH2CH(CH3)2}				
chemical group:	AL/K	CAS-No.:	108-83-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Diisopropyl ether				
chemical formula:	{(CH3)2CHOCH(CH3)2}				
chemical group:	ETHR	CAS-No.:	108-20-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Dimethyl formamide				
chemical formula:	{HCON(CH3)2}				
chemical group:	AMID	CAS-No.:	68-12-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	limited resistance	

chemical:	Dimethyl sulfoxide				
chemical formula:	{(CH3)2SO}				
chemical group:		CAS-No.:	67-68-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Dimethyl sulfoxide				
chemical formula:	{(CH ₃) ₂ SO}				
chemical group:		CAS-No.:	67-68-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Diocetyl phthalate				
chemical formula:	{C ₆ H ₄ (COOC ₈ H ₁₇) ₂ }				
chemical group:	ESTR	CAS-No.:	117-81-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Dioxane				
chemical formula:	{C ₄ H ₈ O ₂ }				
chemical group:	ETHR	CAS-No.:	123-91-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Ethanol				
chemical formula:	{C ₂ H ₅ OH}				
chemical group:	ALCO	CAS-No.:	64-17-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	150	°C	resistant	

chemical:	Ethyl acetate				
chemical formula:	{CH ₃ COOC ₂ H ₅ }				
chemical group:	ESTR	CAS-No.:	141-78-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	limited resistance	

chemical:	Ethyl chloride				
chemical formula:	{C ₂ H ₅ Cl}				
chemical group:	CFHC	CAS-No.:	75-00-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Ethylene glycol				
chemical formula:	{CH ₂ OHCH ₂ OH}				
chemical group:	ALSO	CAS-No.:	107-21-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	

chemical:	Ethylene oxide				
chemical formula:	{C ₂ H ₄ O}				
chemical group:	OTHC	CAS-No.:	75-21-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Fat (vegetable oil)				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	

chemical:	Fat (vegetable oil)				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Fatty acids				
chemical formula:	{>C6}				
chemical group:	ORAC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Fluorine				
chemical formula:	{F2}				
chemical group:	HALO	CAS-No.:	7782-41-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	not resistant	

chemical:	Formaldehyde				
chemical formula:	{HCHO}				
chemical group:	AL/K	CAS-No.:	50-00-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	75	°C	limited resistance	

chemical:	Formic acid				
chemical formula:	{HCOOH}				
chemical group:	ORAC	CAS-No.:	64-18-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	20	°C	resistant	strong permeation
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	strong permeation
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	strong permeation
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	strong permeation
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	strong permeation
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	strong permeation
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	strong permeation

chemical:	Fruit juices				
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Fuel oil DIN 51603 (test mixture A20-NPII)				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Furfural				
chemical formula:	{C4H3OCHO}				
chemical group:	ALCO	CAS-No.:	98-01-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Furfuryl alcohol				
chemical formula:	{C4H3OCH2OH}				
chemical group:	ALCO	CAS-No.:	98-00-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Gallic acid				
chemical formula:	{C6H2(OH)3COOH}				
chemical group:	ORAC	CAS-No.:	149-91-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	25	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	limited resistance	

chemical:	Glucose				
chemical formula:	{C6H12O6}				
chemical group:	OTHC	CAS-No.:	50-99-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Glycerin				
chemical formula:	{CHOH(CH ₂ OH) ₂ }				
chemical group:	OTHC	CAS-No.:	56-81-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Glycolic acid				
chemical formula:	{CH ₂ OHCOOH}				
chemical group:	ORAC	CAS-No.:	79-14-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
37	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
37	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
37	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
37	%	100	°C	resistant	

chemical:	Heptane				
chemical formula:	{CH ₃ (CH ₂) ₅ CH ₃ }				
chemical group:	ALHC	CAS-No.:	142-82-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Hexafluorosilicic acid				
chemical formula:	{H ₂ SiF ₆ }				
chemical group:	IOAC	CAS-No.:	16961-83-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
32	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
32	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
32	%	75	°C	resistant	

chemical:	Hexafluorosilicic acid				
chemical formula:	{H ₂ SiF ₆ }				
chemical group:	IOAC	CAS-No.:	16961-83-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
32	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
32	%	125	°C	resistant	

chemical:	Hexane				
chemical formula:	{CH ₃ (CH ₂) ₄ CH ₃ }				
chemical group:	ALHC	CAS-No.:	110-54-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Hydraulic fluid				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	

chemical:	Hydrobromic acid				
chemical formula:	{HBr}				
chemical group:	IOAC	CAS-No.:	10034-10-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	150	°C	resistant	

chemical:	Hydrochloric acid				
chemical formula:	{HCl}				
chemical group:	IOAC	CAS-No.:	7647-01-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
36	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
36	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
36	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
36	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
36	%	125	°C	resistant	
chemical:	Hydrofluoric acid				
chemical formula:	{HF}				
chemical group:	IOAC	CAS-No.:	7664-39-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	RT	°C	resistant	

chemical:	Hydrofluoric acid				
chemical formula:	{HF}				
chemical group:	IOAC	CAS-No.:	7664-39-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
70	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
70	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
70	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
70	%	100	°C	resistant	

chemical:	Hydrogen				
chemical formula:	{H2}				
chemical group:	ELSE	CAS-No.:	1333-74-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Hydrogen bromide				
chemical formula:	{HBr}				
chemical group:	IOAC	CAS-No.:	10034-10-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	

chemical:	Hydrogen bromide				
chemical formula:	{HBr}				
chemical group:	IOAC	CAS-No.:	10034-10-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	150	°C	resistant	

chemical:	Hydrogen dioxide				
chemical formula:	{H2O2}				
chemical group:	ELSE	CAS-No.:	7722-84-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	25	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	25	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	75	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	25	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	25	°C	resistant	

chemical:		Hydrogen iodide			
chemical formula:		{HJ}			
chemical group:		IOAC	CAS-No.:	10034-85-2	Syn-No.:
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
57	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
57	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
57	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
57	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
57	%	125	°C	resistant	

chemical:		Hydrogen sulphide (gas)			
chemical formula:		{H2S}			
chemical group:		IOAC	CAS-No.:	7783-06-4	Syn-No.:
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	125	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	150	°C	not resistant	

chemical:		Hydroquinone			
chemical formula:		{C6H4(OH)2}			
chemical group:		PHEN	CAS-No.:	123-31-9	Syn-No.:
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	

chemical:	Hydroxybutanedioic acid				
chemical formula:	{HOOCCH(OH)CH ₂ COOH}				
chemical group:	ORAC	CAS-No.:	6915-15-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	125	°C	resistant	

chemical:	Iodine				
chemical formula:	{J ₂ }				
chemical group:	HALO	CAS-No.:	7553-56-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Iodoform				
chemical formula:	{CHJ ₃ }				
chemical group:	CFHC	CAS-No.:	75-47-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Iron(II)-chloride				
chemical formula:	{FeCl ₂ }				
chemical group:	SALT	CAS-No.:	7758-94-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

chemical:		Iron(III)-chloride			
chemical formula:		{FeCl ₃ }			
chemical group:		SALT	CAS-No.:	7705-08-0	Syn-No.:
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

chemical:		Isopropanol			
chemical formula:		{CH ₃ CH(OH)CH ₃ }			
chemical group:		ALCO	CAS-No.:	67-63-0	Syn-No.:
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:		Isopropyl acetate			
chemical formula:		{CH ₃ COOCH(CH ₃) ₂ }			
chemical group:		ESTR	CAS-No.:	108-21-4	Syn-No.:
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	

chemical:		Kerosene			
chemical formula:		--			
chemical group:		OTHC	CAS-No.:	8008-20-6	Syn-No.:
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	

chemical:	Kerosene				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8008-20-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Lactic acid				
chemical formula:	{CH ₃ CHOHCOOH}				
chemical group:	ORAC	CAS-No.:	50-21-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	75	°C	resistant	

chemical:	Lanolin				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8006-54-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Lauric acid				
chemical formula:	{CH ₃ (CH ₂) ₁₀ COOH}				
chemical group:		CAS-No.:	143-07-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	

chemical:	Lead acetate				
chemical formula:	{Pb(C ₂ H ₃ O ₂) ₂ · 3H ₂ O}				
chemical group:	SALT	CAS-No.:	301-4-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	

chemical:	Lead acetate				
chemical formula:	{Pb(C ₂ H ₃ O ₂) ₂ · 3H ₂ O}				
chemical group:	SALT	CAS-No.:	301-4-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Linseed oil				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8001-26-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Lubricating oils				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	74869-22-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Magnesium hydroxide				
chemical formula:	{Mg(OH) ₂ }				
chemical group:	IOBA	CAS-No.:	1309-42-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	

chemical:	Magnesium hydroxide				
chemical formula:	{Mg(OH) ₂ }				
chemical group:	IOBA	CAS-No.:	1309-42-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Magnesium salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	7439-95-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

chemical:	Mercury				
chemical formula:	{Hg}				
chemical group:	ELSE	CAS-No.:	7439-97-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	125	°C	resistant	

chemical:	Mercury chloride				
chemical formula:	{HgCl ₂ }				
chemical group:	SALT	CAS-No.:	7487-94-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	

chemical:	Mercury chloride				
chemical formula:	{HgCl ₂ }				
chemical group:	SALT	CAS-No.:	7487-94-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Mercury nitrate				
chemical formula:	{Hg(NO ₃) ₂ }				
chemical group:	SALT	CAS-No.:	10045-94-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Mercury salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Methane				
chemical formula:	{CH ₄ }				
chemical group:	ALHC	CAS-No.:	74-82-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Methanol				
chemical formula:	{CH ₃ OH}				
chemical group:	ALCO	CAS-No.:	67-56-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	125	°C	resistant	

chemical:	Methyl chloroacetate				
chemical formula:	{CH ₂ ClCOOCH ₃ }				
chemical group:		CAS-No.:	96-34-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Methyl cyanide				
chemical formula:	{CH ₃ CN}				
chemical group:	NITR	CAS-No.:	75-05-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Methyl dichloroacetate				
chemical formula:	{Cl ₂ CHCOOCH ₃ - C ₃ H ₄ Cl ₂ O ₂ }				
chemical group:	ESTR	CAS-No.:	116-54-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	not resistant	

chemical:	Methyl ethyl ketone				
chemical formula:	{CH ₃ COC ₂ H ₅ - C ₄ H ₈ O}				
chemical group:	AL/K	CAS-No.:	78-93-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Methyl isobutyl ketone				
chemical formula:	{(CH ₃) ₂ CHCH ₂ COCH ₃ }				
chemical group:	AL/K	CAS-No.:	108-10-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Methylene chloride				
chemical formula:	{CH ₂ Cl ₂ }				
chemical group:	CFHC	CAS-No.:	75-09-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	not resistant	

chemical:	Mineral oils				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Mineral oils				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Mixed acid Nitric acid-Hydrofluoric acid-Sulphuric acid				
chemical formula:	{15% HNO3-15% HF-18% H2SO4}				
chemical group:		CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	RT	°C	resistant	Concentration 7,5% HNO3 2,7% HF 6% H2SO4
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	40	°C	resistant	Concentration 7,5% HNO3 2,7% HF 6% H2SO4
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	75	°C	resistant	Concentration 7,5% HNO3 2,7% HF 6% H2SO4
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	100	°C	limited resistance	Concentration 7,5% HNO3 2,7% HF 6% H2SO4

chemical:	Mixed acid Sulphuric acid-Phosphoric acid-aqueous				
chemical formula:	{30% H2SO4-60% H3PO4-10% H2O}				
chemical group:		CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	RT	°C	resistant	Concentration 30% H2SO4 60% H3PO4 10% H2O
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	40	°C	resistant	Concentration 30% H2SO4 60% H3PO4 10% H2O
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	75	°C	resistant	Concentration 30% H2SO4 60% H3PO4 10% H2O
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	100	°C	resistant	Concentration 30% H2SO4 60% H3PO4 10% H2O

chemical:	Naphtha				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8030-30-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	

chemical:	Naphthalene				
chemical formula:	{C10H8}				
chemical group:	ARHC	CAS-No.:	91-20-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	n-Hexanol				
chemical formula:	{CH3(CH2)5OH}				
chemical group:	ALCO	CAS-No.:	111-27-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	limited resistance	

chemical:	Nitric acid				
chemical formula:	{HNO3}				
chemical group:	IOAC	CAS-No.:	7697-37-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
65	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
65	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
65	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
65	%	100	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
65	%	125	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	75	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	100	°C	not resistant	

chemical:	Nitric acid				
chemical formula:	{HNO ₃ }				
chemical group:	IOAC	CAS-No.:	7697-37-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Nitrobenzene				
chemical formula:	{C ₆ H ₅ NO ₂ }				
chemical group:	ARHC	CAS-No.:	98-95-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	not resistant	

chemical:	Nitromethane				
chemical formula:	{CH ₃ NO ₂ }				
chemical group:	ALHC	CAS-No.:	75-52-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Nitrotoluene				
chemical formula:	{C ₆ H ₄ CH ₃ NO ₂ }				
chemical group:	ARHC	CAS-No.:	1321-12-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	limited resistance	

chemical:	Nitrous oxide (laughing gas)				
chemical formula:	{N ₂ O}				
chemical group:		CAS-No.:	10024-97-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Nitrous oxide (laughing gas)				
chemical formula:	{N2O}				
chemical group:		CAS-No.:	10024-97-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	

chemical:	Octadecenoic acid (9-)				
chemical formula:	{CH3(CH2)7CHCH(CH2)7COOH - C18H34O2}				
chemical group:	ORAC	CAS-No.:	112-80-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Octane (n-)				
chemical formula:	{C8H18}				
chemical group:	ALHC	CAS-No.:	111-65-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Octene				
chemical formula:	{CH3(CH2)5CH:CH2}				
chemical group:	ALHC	CAS-No.:	25377-83-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Oleum (Concentration 35:65 %)				
chemical formula:	{H ₂ SO ₄ +SO ₃ }				
chemical group:	IOAC	CAS-No.:	8014-95-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	not resistant	

chemical:	Olive oil				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Oxalic acid				
chemical formula:	{HOOC ⁻ COOH}				
chemical group:	ORAC	CAS-No.:	144-62-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	not resistant	

chemical:	Oxygen				
chemical formula:	{O ₂ }				
chemical group:	ELSE	CAS-No.:	7782-44-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Ozone 2% in air				
chemical formula:	{O ₃ }				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	100	°C	resistant	

chemical:	Palmitic acid				
chemical formula:	{C ₁₅ H ₃₁ COOH}				
chemical group:	ORAC	CAS-No.:	57-10-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Paraffin				
chemical formula:	{C _n H _{2n+2} }				
chemical group:	OTHC	CAS-No.:	8012-95-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Paraffin emulsion				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Paraffine oil				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8012-95-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Pentanol (n-)				
chemical formula:	{C5H11OH - C5H12O}				
chemical group:	ALCO	CAS-No.:	71-41-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	40	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	technical pure
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	125	°C	resistant	technical pure

chemical:	Pentyl acetate Synonym Amyl acetate				
chemical formula:	{CH3COOC5H11}				
chemical group:	ESTR	CAS-No.:	628-63-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	not resistant	

chemical:	Perchloric acid				
chemical formula:	{HClO4}				
chemical group:	IOAC	CAS-No.:	7601-90-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	resistant	

chemical:	Perchloric acid				
chemical formula:	{HClO ₄ }				
chemical group:	IOAC	CAS-No.:	7601-90-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	75	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
70	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
70	%	50	°C	resistant	

chemical:	Petrol, unleaded				
chemical formula:	{from C ₅ H ₁₂ up to C ₁₂ H ₂₆ }				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Petroleum				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8002-05-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	

chemical:	Petroleum ether				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8032-32-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Petroleum ether				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8032-32-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Phenol				
chemical formula:	{C6H5OH}				
chemical group:	PHEN	CAS-No.:	108-95-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	100	°C	resistant	

chemical:	Phenol sulfonic acid				
chemical formula:	{HOC6H4SO3H}				
chemical group:		CAS-No.:	1333-39-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Phosphoric acid				
chemical formula:	{H3PO4}				
chemical group:	IOAC	CAS-No.:	7664-38-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
0,3	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
3	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
3	%	80	°C	resistant	

chemical:		Phosphoric acid			
chemical formula:		{H3PO4}			
chemical group:		IOAC	CAS-No.:	7664-38-2	Syn-No.:
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
3	%	80	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
25	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
25	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	25	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	150	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	100	°C	resistant	

chemical:	Phosphoric acid				
chemical formula:	{H3PO4}				
chemical group:	IOAC	CAS-No.:	7664-38-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	150	°C	resistant	

chemical:	Phosphorous trichloride				
chemical formula:	{PCl3}				
chemical group:	ELSE	CAS-No.:	7719-12-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Photographic developer				
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	

chemical:	Phthalic acid				
chemical formula:	{C6H4(COOH)2}				
chemical group:	ORAC	CAS-No.:	88-99-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	

chemical:	Potassium acetate				
chemical formula:	{KC2H3O2}				
chemical group:	SALT	CAS-No.:	127-08-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	

chemical:	Potassium acetate				
chemical formula:	{KC ₂ H ₃ O ₂ }				
chemical group:	SALT	CAS-No.:	127-08-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

chemical:	Potassium alum				
chemical formula:	{Al ₂ (SO ₄) ₃ K ₂ SO ₄ }				
chemical group:		CAS-No.:	7784-24-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	125	°C	resistant	

chemical:	Potassium bromate				
chemical formula:	{KBrO ₃ }				
chemical group:	SALT	CAS-No.:	7758-01-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Potassium bromide				
chemical formula:	{KBr}				
chemical group:	SALT	CAS-No.:	7758-02-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	

chemical:	Potassium bromide				
chemical formula:	{KBr}				
chemical group:	SALT	CAS-No.:	7758-02-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

chemical:	Potassium carbonate				
chemical formula:	{K ₂ CO ₃ }				
chemical group:	SALT	CAS-No.:	584-08-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

chemical:	Potassium chlorate				
chemical formula:	{KClO ₃ }				
chemical group:	SALT	CAS-No.:	3811-04-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

chemical:	Potassium chloride				
chemical formula:	{KCl}				
chemical group:	SALT	CAS-No.:	7447-40-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	

chemical:	Potassium chloride				
chemical formula:	{KCl}				
chemical group:	SALT	CAS-No.:	7447-40-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

chemical:	Potassium cyanide				
chemical formula:	{KCN}				
chemical group:	SALT	CAS-No.:	151-50-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Potassium dichromate				
chemical formula:	{K ₂ Cr ₂ O ₇ }				
chemical group:	SALT	CAS-No.:	7778-50-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Potassium hydroxide				
chemical formula:	{KOH}				
chemical group:	IOBA	CAS-No.:	1310-58-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	80	°C	resistant	

chemical:	Potassium hydroxide				
chemical formula:	{KOH}				
chemical group:	IOBA	CAS-No.:	1310-58-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	125	°C	resistant	

chemical:	Potassium nitrate				
chemical formula:	{KNO3}				
chemical group:	SALT	CAS-No.:	7757-79-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	

chemical:	Potassium perchlorate				
chemical formula:	{KClO4}				
chemical group:	SALT	CAS-No.:	7778-74-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	

chemical:	Potassium permanganate				
chemical formula:	{KMnO4}				
chemical group:	SALT	CAS-No.:	7722-64-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	saturated aqueous solution

chemical:	Potassium persulfate				
chemical formula:	{K ₂ S ₂ O ₈ }				
chemical group:	SALT	CAS-No.:	7727-21-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	

chemical:	Potassium sulfite				
chemical formula:	{K ₂ SO ₃ }				
chemical group:		CAS-No.:	10117-38-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Potassium sulphate				
chemical formula:	{K ₂ SO ₄ }				
chemical group:	SALT	CAS-No.:	7778-80-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Potassium sulphide				
chemical formula:	{K ₂ S}				
chemical group:	SALT	CAS-No.:	1312-73-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	

chemical:	Potassium sulphide				
chemical formula:	{K ₂ S}				
chemical group:	SALT	CAS-No.:	1312-73-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	

chemical:	Propane gaseous				
chemical formula:	{C ₃ H ₈ }				
chemical group:	ALHC	CAS-No.:	74-98-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Propanol (n-)				
chemical formula:	{C ₃ H ₇ OH - C ₃ H ₈ O}				
chemical group:	ALCO	CAS-No.:	71-23-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	125	°C	resistant	

chemical:	Propionic acid				
chemical formula:	{C ₂ H ₅ COOH - C ₃ H ₆ O ₂ }				
chemical group:	ORAC	CAS-No.:	79-09-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	

chemical:	Propyl acetate				
chemical formula:	{C3H7OOCCH3}				
chemical group:	ESTR	CAS-No.:	109-60-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Propylene glycol				
chemical formula:	{CH3CHOHCH2OH}				
chemical group:	ALCO	CAS-No.:	57-55-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	120	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	125	°C	resistant	

chemical:	Pyridine				
chemical formula:	{N(CH)5}				
chemical group:	AMIN	CAS-No.:	110-86-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	not resistant	

chemical:	Pyrogallol				
chemical formula:	{C6H3(OH)3}				
chemical group:	PHEN	CAS-No.:	87-66-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	

chemical:	Resorcinol				
chemical formula:	{C6H4(OH)2}				
chemical group:	PHEN	CAS-No.:	108-46-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	

chemical:	Ricinus oil/ Castor oil				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8001-79-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
100	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
100	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
100	%	75	°C	resistant	

chemical:	Road tar				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8052-42-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Salicylic acid				
chemical formula:	{C6H4(OH)(COOH)}				
chemical group:	ORAC	CAS-No.:	69-72-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	

chemical:	Silicic acid				
chemical formula:	{H4SiO4; H2SiO5}				
chemical group:	IOAC	CAS-No.:	7699-41-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Silicone oil				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	

chemical:	Silver nitrate				
chemical formula:	{AgNO3}				
chemical group:	SALT	CAS-No.:	7761-88-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	

chemical:	Sodium (molten)				
chemical formula:	{Na}				
chemical group:	ELSE	CAS-No.:	7440-23-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	

chemical:	Sodium acetate				
chemical formula:	{NaC2H3O2; CH3COONa}				
chemical group:	SALT	CAS-No.:	127-09-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	

chemical:	Sodium acetate				
chemical formula:	{NaC ₂ H ₃ O ₂ ; CH ₃ COONa}				
chemical group:	SALT	CAS-No.:	127-09-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sodium bicarbonate				
chemical formula:	{NaHCO ₃ }				
chemical group:	SALT	CAS-No.:	144-55-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sodium bisulphate				
chemical formula:	{NaHSO ₄ }				
chemical group:	SALT	CAS-No.:	7681-38-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	resistant	

chemical:	Sodium bisulphite				
chemical formula:	{NaHSO ₃ }				
chemical group:	SALT	CAS-No.:	7631-90-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sodium carbonate				
chemical formula:	{Na ₂ CO ₃ }				
chemical group:	SALT	CAS-No.:	497-19-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sodium chlorate				
chemical formula:	{NaClO ₃ }				
chemical group:	SALT	CAS-No.:	7775-09-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	100	°C	resistant	

chemical:	Sodium chloride				
chemical formula:	{NaCl}				
chemical group:	SALT	CAS-No.:	7647-14-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

chemical:	Sodium cyanide				
chemical formula:	{NaCN}				
chemical group:	SALT	CAS-No.:	143-33-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	

chemical:		Sodium cyanide			
chemical formula:		{NaCN}			
chemical group:		SALT	CAS-No.: 143-33-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

chemical:		Sodium dichromate			
chemical formula:		{Na ₂ Cr ₂ O ₇ }			
chemical group:		SALT	CAS-No.: 10588-01-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:		Sodium hydroxide			
chemical formula:		{NaOH}			
chemical group:		IOBA	CAS-No.: 1310-73-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	80	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	80	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
15	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
15	%	100	°C	resistant	

chemical:		Sodium hydroxide			
chemical formula:		{NaOH}			
chemical group:		IOBA	CAS-No.:	1310-73-2	Syn-No.:
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	80	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	80	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	125	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	80	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
60	%	25	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
60	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
60	%	75	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
70	%	25	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
70	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
70	%	75	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	25	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	75	°C	limited resistance	

chemical:	Sodium hypochlorite				
chemical formula:	{NaOCl}				
chemical group:	SALT	CAS-No.:	7681-52-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
12	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
12	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
12	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	resistant	

chemical:	Sodium nitrate				
chemical formula:	{NaNO ₃ }				
chemical group:	SALT	CAS-No.:	7631-99-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sodium nitrite				
chemical formula:	{NaNO ₂ }				
chemical group:	SALT	CAS-No.:	7632-00-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	

chemical:	Sodium nitrite				
chemical formula:	{NaNO ₂ }				
chemical group:	SALT	CAS-No.:	7632-00-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sodium persulfate				
chemical formula:	{Na ₂ S ₂ O ₈ }				
chemical group:	SALT	CAS-No.:	7775-27-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	20	°C	resistant	cold saturated, aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	cold saturated, aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	cold saturated, aqueous

chemical:	Sodium phosphate				
chemical formula:	{Na ₃ PO ₄ }				
chemical group:	SALT	CAS-No.:	7601-54-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sodium salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	7440-23-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sodium silicate				
chemical formula:	{Na ₂ SiO ₃ }				
chemical group:	SALT	CAS-No.:	1344-09-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sodium sulphate				
chemical formula:	{Na ₂ SO ₄ }				
chemical group:	SALT	CAS-No.:	7757-82-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sodium sulphide				
chemical formula:	{Na ₂ S}				
chemical group:	SALT	CAS-No.:	1313-82-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sodium sulphite				
chemical formula:	{Na ₂ SO ₃ }				
chemical group:	SALT	CAS-No.:	7757-83-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	

chemical:	Sodium sulphite				
chemical formula:	{Na ₂ SO ₃ }				
chemical group:	SALT	CAS-No.:	7757-83-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sodium thiosulphate				
chemical formula:	{Na ₂ S ₂ O ₃ }				
chemical group:	SALT	CAS-No.:	7772-98-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Stearic acid				
chemical formula:	{C ₁₇ H ₃₅ COOH}				
chemical group:	ORAC	CAS-No.:	57-11-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Styrene				
chemical formula:	{C ₆ H ₅ CH:CH ₂ }				
chemical group:	ARHC	CAS-No.:	100-42-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Sulfur trioxide, traces or liquid or anhydrous or moist				
chemical formula:	{SO ₃ }				
chemical group:	ELSE	CAS-No.:	7446-11-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	50	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	75	°C	not resistant	

chemical:	Sulphur				
chemical formula:	{S}				
chemical group:	ELSE	CAS-No.:	7704-34-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Sulphur dichloride				
chemical formula:	{SCl ₂ }				
chemical group:	ELSE	CAS-No.:	10545-99-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Sulphur dioxide, dry				
chemical formula:	{SO ₂ }				
chemical group:	ELSE	CAS-No.:	7446-09-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	

chemical:	Sulphur dioxide, dry				
chemical formula:	{SO ₂ }				
chemical group:	ELSE	CAS-No.:	7446-09-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Sulphuric acid				
chemical formula:	{H ₂ SO ₄ }				
chemical group:	IOAC	CAS-No.:	7664-93-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
2	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
3	%	80	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	80	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	80	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	resistant	

chemical:	Sulphuric acid				
chemical formula:	{H ₂ SO ₄ }				
chemical group:	IOAC	CAS-No.:	7664-93-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
60	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
93	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
93	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
93	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	125	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
98	%	25	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
98	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
100	%	25	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
100	%	50	°C	resistant	
chemical:	Sulphurous acid				
chemical formula:	{H ₂ SO ₃ }				
chemical group:		CAS-No.:	7782-99-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	

chemical:	Sulphurous acid				
chemical formula:	{H2SO3}				
chemical group:		CAS-No.:	7782-99-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	

chemical:	Sulphuryl chloride (Sulfuryl chloride)				
chemical formula:	{SO2Cl2}				
chemical group:	ELSE	CAS-No.:	7791-25-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Tannic acid				
chemical formula:	{C76H52O46}				
chemical group:	ORAC	CAS-No.:	1401-55-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	

chemical:	Tartaric acid				
chemical formula:	{HOOC(CHOH)2COOH}				
chemical group:	ORAC	CAS-No.:	87-69-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	

chemical:	Tetra Methyl Ammonium Hydroxide (TMAH)				
chemical formula:	{C4H13NO}				
chemical group:		CAS-No.:	75-59-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
2,5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
2,5	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
25	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
25	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
25	%	100	°C	resistant	

chemical:	Tetrachlorocarbon				
chemical formula:	{CCl4}				
chemical group:	CFHC	CAS-No.:	56-23-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Tetrachloroethane				
chemical formula:	{CHCl2CHCl2}				
chemical group:	CFHC	CAS-No.:	25322-20-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	not resistant	

chemical:	Tetrachloroethylene				
chemical formula:	{Cl2C:CCl2}				
chemical group:	CFHC	CAS-No.:	127-18-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	not resistant	

chemical:	Tetrahydrofuran				
chemical formula:	{C4H8O}				
chemical group:	OTHC	CAS-No.:	109-99-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Tetrahydronaphtalene				
chemical formula:	{C10H12}				
chemical group:	ARHC	CAS-No.:	119-64-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Thionyl chloride				
chemical formula:	{SOCl2}				
chemical group:	ELSE	CAS-No.:	7719-09-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Toluene				
chemical formula:	{C6H5CH3}				
chemical group:	ARHC	CAS-No.:	108-88-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	125	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	150	°C	not resistant	

chemical:	Tributyl phosphate				
chemical formula:	{(C4H9)3PO4}				
chemical group:	OTHC	CAS-No.:	126-73-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Trichloroacetic acid				
chemical formula:	{CCl3COOH - C2HCl3O2}				
chemical group:	ORAC	CAS-No.:	76-03-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	not resistant	

chemical:	Trichlorobenzene				
chemical formula:	{C6H3Cl3}				
chemical group:	ARHC	CAS-No.:	12002-48-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Trichloroethane (1,1,1-)				
chemical formula:	{CH3CCl3}				
chemical group:	CFHC	CAS-No.:	71-55-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	limited resistance	

chemical:	Trichloroethylene				
chemical formula:	{CHCl:CCl2}				
chemical group:	CFHC	CAS-No.:	79-01-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Trichlorophenol				
chemical formula:	{Cl3C6H2OH - C6H3Cl3O}				
chemical group:	PHEN	CAS-No.:	25167-82-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Tricresylphosphate				
chemical formula:	{OP(OC6H4CH3)3 - C21H21O4P}				
chemical group:	OTHC	CAS-No.:	1330-78-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Triethyl phosphate				
chemical formula:	{(C2H5O)3P(O) - C6H15O4P}				
chemical group:	OTHC	CAS-No.:	78-40-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	

chemical:	Turpentine oil				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8006-64-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	

chemical:	Urine				
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	

chemical:	Vaseline				
chemical formula:	{C22H46 / C23H48}				
chemical group:	OTHC	CAS-No.:	8009-03-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Vinegar (Wine vinegar)				
chemical formula:	--				
chemical group:		CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Vinyl acetate				
chemical formula:	{CH3COOCH:CH2}				
chemical group:	ESTR	CAS-No.:	108-05-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	limited resistance	

chemical:	Vinyl acetate				
chemical formula:	{CH ₃ COOCH:CH ₂ }				
chemical group:	ESTR	CAS-No.:	108-05-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	125	°C	not resistant	
chemical:	Vinyl chloride				
chemical formula:	{CH ₂ CHCl - C ₂ H ₃ Cl}				
chemical group:	CFHC	CAS-No.:	75-01-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	not resistant	
chemical:	Water				
chemical formula:	{H ₂ O}				
chemical group:	ELSE	CAS-No.:	7732-18-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	resistant	
chemical:	Wine & Spirits				
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Xylene				
chemical formula:	{C6H4(CH3)2}				
chemical group:	ARHC	CAS-No.:	1330-20-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	not resistant	

chemical:	Zinc chloride				
chemical formula:	{ZnCl2}				
chemical group:	SALT	CAS-No.:	7646-85-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

chemical:	Zinc(II)-salts				
chemical formula:	{SnCl2}				
chemical group:	SALT	CAS-No.:	7772-99-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	75	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	125	°C	resistant	

A: Resistant
B: Partially resistant
C: Non-resistant
O: Dissolves
UD: Undiluted

CA: As commercially available
SS: Saturated aqueous solutions (at 23°C)
RT: Room temperature (15-25°C)

This information will without doubt be a helpful tool when selecting the most suitable plastics material for your application.

Temperature, time of exposure, concentration of the reagents and stress level in the plastic parts all considerably effect the chemical resistance and consequently your material choice.

For example PC, PEI, PSU and PPSU, because of their amorphous chemical structure, are sensitive to "stress cracking" when in contact with polar organic solvents. Environments, which are completely harmless to unstressed parts, may cause stress cracking when in contact with stressed parts (e.g isopropyl alcohol in contact with PSU). Not only the externally applied load is of importance but also the internal stress level plays a big role. Although Schmidt + Bartl GmbH Products stock shapes are annealed using a proprietary stress-relieving cycle to minimize any internal stresses resulting from the manufacturing process, some stresses may remain and new ones may be induced during machining. Therefore, in certain cases thermal treatment (stress relieving) of the plastic parts during or after machining may be necessary in order to keep the internal stress level and thus the risk on cracking as low as possible

It is important to note that this data is only of an indicative nature, derived from all sorts of literature related to the chemical resistance of plastics.

Therefore, in practice it is strongly recommended carrying out tests on a prototype, to determine the final suitability of a plastics material for the application.

Following the assertions outlined in the introduction the attached list should be regarded as a valuable tool for finding the most suitable material for a given application.

Note: The list has been compiled based on ideal and mostly simplified conditions of laboratory testing; real life and field applications are subjected to working conditions that might be defined by more complex factors. Consequently any statement quoted in our chemical resistance list should be regarded as a guiding value. In particular, we would like to emphasize that such a list -by nature - cannot supply the following information:

- All relevant details of the respective experiment that has been the source for a given set of data
- Possible influence of dynamic effects
- Long-term effects
- Possible influence due to the method of processing, the thermal history as well as the exact formulation of the respective samples
- Behaviour of mixtures of different media or effects based on discontinuous service
- (Detailed) characterisation of the corrosion phenomenon / deterioration observed
- Consideration of all chemicals

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