

Materials & Chemical Resistance Information

PA 6 G

Chemical Designation: Polyamid

Norm: PA 6 G

PA 6 G

chemical:					
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	

chemical:					
chemical formula:	acetaldehyde				
chemical group:	AL/K	CAS-No.:	75-07-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	RT	°C	resistant	

chemical:					
chemical formula:	Acetamide				
chemical group:	AMID	CAS-No.:	60-35-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	140	°C	soluble	

chemical:					
chemical formula:	Acetic acid				
chemical group:	ORAC	CAS-No.:	64-19-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	not 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:
50	%	75	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
95	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
95	%	50	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
95	%	75	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
95	%	90	°C	soluble	

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:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°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	

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	not resistant	

chemical:	Acetylbenzol				
chemical formula:	{C6H5COCH3}				
chemical group:	ARHC	CAS-No.:	98-86-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Acetylene				
chemical formula:	{HCCH}				
chemical group:	ALHC	CAS-No.:	74-86-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Acrylic acid				
chemical formula:	{CH2CHCOOH}				
chemical group:	ORAC	CAS-No.:	79-10-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	30	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	soluble	

chemical:	Acrylonitrile				
chemical formula:	{CH2:CHCN }				
chemical group:	NITR	CAS-No.:	107-13-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	technical pure

chemical:	Air (at all pressures)				
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	132259-10-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Allyl alcohol				
chemical formula:	{CH2:CHCH2OH}				
chemical group:	ORAC	CAS-No.:	107-18-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	limited resistance	

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	limited resistance	

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	limited resistance	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	

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

chemical:	Aluminium salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	7429-90-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	50	°C	not resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	not resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	RT	°C	limited resistance	

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:
GL	%	RT	°C	limited resistance	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	resistant	aqueous

chemical:	Amines (aliphatic)				
chemical formula:	--				
chemical group:	AMIN	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Amino acids				
chemical formula:	--				
chemical group:	ORAC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

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	%	100	°C	not resistant	

chemical:	Ammonia (liquified 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	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	70	°C	limited resistance	

chemical:	Ammonium bicarbonate				
chemical formula:	{NH4HCO3}				
chemical group:	SALT	CAS-No.:	1066-33-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	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:
GL	%	RT	°C	resistant	saturated aqueous solution
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	aqueous
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	aqueous

chemical:	Ammonium chloride				
chemical formula:	{NH4CL}				
chemical group:	SALT	CAS-No.:	12125-02-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	60	°C	not resistant	

SCHMIDT + BARTL GMBH - AUF HERDENEN 30 - 78052 VS-VILLINGEN - TEL: 07721/99130 - FAX 07721/991320

chemical:	Ammonium chloride				
chemical formula:	{NH ₄ CL}				
chemical group:	SALT	CAS-No.:	12125-02-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
35	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
35	%	100	°C	not resistant	
chemical:	Ammonium hydroxide				
chemical formula:	{NH ₄ OH}				
chemical group:	IOBA	CAS-No.:	1336-21-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	resistant	
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:
UV	%	RT	°C	resistant	
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:
10	%	RT	°C	resistant	
chemical:	Ammonium salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
chemical:	Ammonium sulphate (fertilizer)				
chemical formula:	{(NH ₄) ₂ SO ₄ - H ₈ N ₂ O ₄ S}				
chemical group:	SALT	CAS-No.:	7783-20-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	

chemical:	Ammonium thiocyanate				
chemical formula:	{NH4SCN}				
chemical group:	SALT	CAS-No.:	1762-95-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	

chemical:	Amyl acetate				
chemical formula:	{CH3COOC5H11}				
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	%	100	°C	not resistant	technical pure

chemical:	Aniline				
chemical formula:	{C6H5NH2}				
chemical group:	AMIN	CAS-No.:	62-53-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	not resistant	

chemical:	Antimony trichloride				
chemical formula:	{SbCl3}				
chemical group:	SALT	CAS-No.:	10025-91-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	not resistant	

chemical:	Aqua regia concentration:HCl/HNO3(65%/35%)=2/1				
chemical formula:	{HNO3+HCl}				
chemical group:	IOAC	CAS-No.:	8007-56-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	not resistant	

chemical:	Argon				
chemical formula:	{Ar}				
chemical group:	ELSE	CAS-No.:	7440-37-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

SCHMIDT + BARTL GMBH - AUF HERDENEN 30 - 78052 VS-VILLINGEN - TEL: 07721/99130 - FAX 07721/991320

chemical:	Aromatic hydrocarbons				
chemical formula:	--				
chemical group:	ARHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	80	°C	resistant	

chemical:	Asphalt				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8052-42-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
-	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
-	%	100	°C	limited resistance	

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

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	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	60	°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	%	65	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	80	°C	resistant	

chemical:	Benzoic acid				
chemical formula:	{C6H5COOH}				
chemical group:	ORAC	CAS-No.:	65-85-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	

SCHMIDT + BARTL GMBH - AUF HERDENEN 30 - 78052 VS-VILLINGEN - TEL: 07721/99130 - FAX 07721/991320

chemical:	Benzoic acid				
chemical formula:	{C6H5COOH}				
chemical group:	ORAC	CAS-No.:	65-85-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	not 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	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	80	°C	soluble	

chemical:	Bitumen				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8052-42-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	limited resistance	

chemical:	Bleaching liquid (12,5% active Cl2)				
chemical formula:	{NaOCl}				
chemical group:	ELSE	CAS-No.:	7681-52-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	40	°C	not resistant	

chemical:	Boracic acid				
chemical formula:	{H3BO3}				
chemical group:	IOAC	CAS-No.:	10043-35-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	not resistant	

chemical:	Borax				
chemical formula:	{Na2B4O7}				
chemical group:	SALT	CAS-No.:	1303-43-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	

SCHMIDT + BARTL GMBH - AUF HERDENEN 30 - 78052 VS-VILLINGEN - TEL: 07721/99130 - FAX 07721/991320

chemical:	Borax				
chemical formula:	{Na ₂ B ₄ O ₇ }				
chemical group:	SALT	CAS-No.:	1303-43-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	

chemical:	Boron trifluoride				
chemical formula:	{BF ₃ }				
chemical group:	ELSE	CAS-No.:	7637-07-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	100%gas

chemical:	Brakefluid (DIN 53521)				
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	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	125	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	150	°C	not resistant	

chemical:	Bromine (liquid)				
chemical formula:	{Br ₂ }				
chemical group:	HALO	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	not resistant	

chemical:	Bromine (vapours)				
chemical formula:	{Br ₂ }				
chemical group:	HALO	CAS-No.:	7726-95-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	

chemical:	Bromine water				
chemical formula:	{Br-H ₂ O}				
chemical group:	HALO	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	not resistant	

chemical:	Bromochloromethane				
chemical formula:	{CH ₂ BrCl}				
chemical group:	CFHC	CAS-No.:	74-97-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°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	limited resistance	

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	

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

chemical:	Butanediol				
chemical formula:	{HO(CH ₂) ₄ OH}				
chemical group:	ALCO	CAS-No.:	110-63-4	Syn-No.:	
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:
20	%	RT	°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	

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	
chemical:	Butyl glycol				
chemical formula:	{HOC ₂ H ₄ OC ₄ H ₉ - C ₆ H ₁₄ O ₂ }				
chemical group:	ALCO	CAS-No.:	111-76-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	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 glycol				
chemical formula:	{HOCH ₂ (CH ₂) ₂ CH ₂ OH}				
chemical group:	ALCO	CAS-No.:	110-63-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	20	°C	resistant	
chemical:	Butyrolactone				
chemical formula:	{C ₄ H ₆ O ₂ }				
chemical group:	OTHC	CAS-No.:	96-48-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	90	°C	not 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	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	80	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
SCHMIDT + BARTL GMBH - AUF HERDENEN 30 - 78052 VS-VILLINGEN - TEL: 07721/99130 - FAX 07721/991320					
Effective:	29.05.2016	www.schmidt-bartl.de		e-mail: info@schmidt-bartl.de	Side 12 of 63

chemical:	Calcium chloride				
chemical formula:	{CaCl ₂ }				
chemical group:	SALT	CAS-No.:	10043-52-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	not resistant	

chemical:	Calcium chloride, in alcohol				
chemical formula:	{CaCl ₂ }				
chemical group:	SALT	CAS-No.:	10043-52-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	RT	°C	soluble	

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:
10	%	RT	°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	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	60	°C	not resistant	

chemical:	Calcium salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	7440-70-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	

chemical:	Camphor				
chemical formula:	{C ₁₀ H ₁₆ O}				
chemical group:	OTHC	CAS-No.:	76-22-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	

chemical:	Caprolactam				
chemical formula:	{CONH(CH ₂) ₅ }				
chemical group:	OTHC	CAS-No.:	105-60-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	120	°C	soluble	

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	

chemical:	Carbon disulphide				
chemical formula:	{CS ₂ }				
chemical group:	ELSE	CAS-No.:	75-15-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	not resistant	

chemical:	Carbonic acid				
chemical formula:	{H ₂ CO ₃ }				
chemical group:	IOAC	CAS-No.:	463-79-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	RT	°C	resistant	

chemical:	Casein				
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	9000-71-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°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	not resistant	

chemical:	Chloramines				
chemical formula:	{R-NHCl / R-NCI ₂ }				
chemical group:	CFHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not 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	not resistant	

chemical:	Chlorine gas (dry)				
chemical formula:	{Cl ₂ }				
chemical group:	HALO	CAS-No.:	7782-50-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	not resistant	

chemical:	Chlorine gas (wet)				
chemical formula:	{Cl ₂ }				
chemical group:	HALO	CAS-No.:	7782-50-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
97	%	RT	°C	not 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	%	RT	°C	not 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	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	75	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	

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	

chemical:	Chlorodifluoroethane				
chemical formula:	{C ₂ H ₃ F ₂ Cl}				
chemical group:	CFHC	CAS-No.:	25497-29-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Chlorodifluoromethane (R-22)				
chemical formula:	{CHF ₂ Cl}				
chemical group:	CFHC	CAS-No.:	75-45-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Chloroethanol				
chemical formula:	{C ₂ H ₄ OH - C ₂ H ₅ ClO}				
chemical group:	ALCO	CAS-No.:	107-07-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	not resistant	

chemical:	Chlorofluorocarbons (CFC)				
chemical formula:	{FCKW}				
chemical group:	CFHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	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	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	not resistant	

chemical:	Chlorohydric acid				
chemical formula:	{HCl}				
chemical group:	IOAC	CAS-No.:	7647-01-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
2	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
2	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	soluble	

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

chemical:	Chloromethane				
chemical formula:	{CH3Cl}				
chemical group:	CFHC	CAS-No.:	74-87-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	limited resistance	

chemical:	Chlorosulfonic acid				
chemical formula:	{HSO3Cl}				
chemical group:	IOAC	CAS-No.:	7790-94-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°C	not resistant	

chemical:	Chromic acid				
chemical formula:	{CrO3+H2O (H2CrO4)}				
chemical group:	IOAC	CAS-No.:	7738-94-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	not resistant	

chemical:	Chromic anhydride				
chemical formula:	{CrO3}				
chemical group:	ELSE	CAS-No.:	1333-82-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	

chemical:	Chromium(VI) oxide				
chemical formula:	{CrO3}				
chemical group:	ELSE	CAS-No.:	1333-82-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	

chemical:	Chromyl chloride				
chemical formula:	{CrO2Cl2}				
chemical group:	ELSE	CAS-No.:	14977-61-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	

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	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	80	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	

chemical:	Cobalt salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	7440-48-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	RT	°C	limited resistance	

chemical:	Cooling fluids (DIN 53521)				
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	120	°C	limited resistance	

chemical:	Copper chloride				
chemical formula:	{CuCl ₂ }				
chemical group:	SALT	CAS-No.:	7447-39-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not 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:
1	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	

chemical:	Copper(II)-salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	

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	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	80	°C	soluble	

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	

chemical:	Cyclohexanol				
chemical formula:	{C ₆ H ₁₁ OH}				
chemical group:	ALCO	CAS-No.:	108-93-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°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	

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	

chemical:	Diaminoethane				
chemical formula:	{NH2C2H4NH2}				
chemical group:	AMIN	CAS-No.:	107-15-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	limited resistance	

chemical:	Dibutyl ether				
chemical formula:	{C4H9OC4H9}				
chemical group:	ETHR	CAS-No.:	142-96-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Dibutyl phthalate				
chemical formula:	{C6H4[COOC4H9]2 - C16H22O4}				
chemical group:	ESTR	CAS-No.:	84-74-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Dichloroacetic acid				
chemical formula:	{CHCl2COOH}				
chemical group:	ORAC	CAS-No.:	79-43-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	75	°C	limited resistance	

chemical:	Dichlorobenzene				
chemical formula:	{C6H4Cl2}				
chemical group:	ARHC	CAS-No.:	25321-22-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Dichlorodifluoromethane (R-12)				
chemical formula:	{CF ₂ Cl ₂ }				
chemical group:	CFHC	CAS-No.:	75-71-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	50	°C	resistant	
chemical:	Dichloroethane (1,2-)				
chemical formula:	{ClC ₂ H ₄ Cl - C ₂ H ₄ Cl ₂ }				
chemical group:	CFHC	CAS-No.:	107-06-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	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	
chemical:	Dichlorofluoromethane				
chemical formula:	{CHFCl ₂ }				
chemical group:	CFHC	CAS-No.:	75-43-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
chemical:	Dichlorotetrafluoroethane (R-114)				
chemical formula:	{C ₂ F ₄ Cl ₂ }				
chemical group:	CFHC	CAS-No.:	1320-37-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
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	%	85	°C	resistant	
chemical:	Diethyl ether				
chemical formula:	{C ₂ H ₅ OC ₂ H ₅ - CH ₂ Cl ₂ }				
chemical group:	ETHR	CAS-No.:	60-29-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Diethyl ether				
chemical formula:	{C ₂ H ₅ OC ₂ H ₅ - CH ₂ Cl ₂ }				
chemical group:	ETHR	CAS-No.:	60-29-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Diethylene glycol				
chemical formula:	{O(C ₂ H ₄ OH) ₂ - C ₄ H ₁₀ O ₃ }				
chemical group:	ALCO	CAS-No.:	111-46-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

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

chemical:	Dimethyl ether				
chemical formula:	{CH ₃ OCH ₃ - C ₂ H ₆ O}				
chemical group:	ETHR	CAS-No.:	115-10-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Dimethyl formamide				
chemical formula:	{HCON(CH ₃) ₂ }				
chemical group:	AMID	CAS-No.:	68-12-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Dimethylacetamide				
chemical formula:	{CH ₃ CON(CH ₃) ₂ }				
chemical group:	AMID	CAS-No.:	127-19-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Dimethylamine				
chemical formula:	{(CH ₃) ₂ NH }				
chemical group:	AMIN	CAS-No.:	124-40-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Diocetyl phthalate				
chemical formula:	{C6H4(COOC8H17)2}				
chemical group:	ESTR	CAS-No.:	117-81-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Dioxane				
chemical formula:	{C4H8O2}				
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	%	60	°C	resistant	

chemical:	Epichlorohydrine				
chemical formula:	{C3H5ClO}				
chemical group:	ETHR	CAS-No.:	106-89-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	limited resistance	

chemical:	Ethane				
chemical formula:	{C2H6}				
chemical group:	ALHC	CAS-No.:	74-84-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Ethanol				
chemical formula:	{C2H5OH}				
chemical group:	ALCO	CAS-No.:	64-17-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	RT	°C	limited resistance	

chemical:	Ethene				
chemical formula:	{C2H4}				
chemical group:	ALHC	CAS-No.:	74-85-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°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	

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	limited resistance	

chemical:	Ethylene carbonate				
chemical formula:	{C ₃ H ₄ O ₃ }				
chemical group:	OTHC	CAS-No.:	96-49-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	50	°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	%	100	°C	not 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	%	80	°C	not 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:	Fatty acids				
chemical formula:	{>C ₆ }				
chemical group:	ORAC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Fatty acids				
chemical formula:	{>C6}				
chemical group:	ORAC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°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	not resistant	

chemical:	Formaldehyde				
chemical formula:	{HCHO}				
chemical group:	AL/K	CAS-No.:	50-00-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	RT	°C	limited resistance	

chemical:	Formamide				
chemical formula:	{HCONH2}				
chemical group:	AMID	CAS-No.:	75-12-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Formic acid				
chemical formula:	{HCOOH}				
chemical group:	ORAC	CAS-No.:	64-18-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
2	%	RT	°C	limited resistance	strong permeation
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
2	%	100	°C	not resistant	strong permeation
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	80	°C	not resistant	strong permeation
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	strong permeation
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	50	°C	not resistant	strong permeation
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	not resistant	strong permeation

chemical:	Formic acid				
chemical formula:	{HCOOH}				
chemical group:	ORAC	CAS-No.:	64-18-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	60	°C	soluble	strong permeation
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	soluble	strong permeation
chemical:	Fruit juices				
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°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	
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	
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	
chemical:	Glycerin				
chemical formula:	{CHOH(CH2OH)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	%	100	°C	not resistant	
chemical:	Glycolic acid				
chemical formula:	{CH2OHCOOH}				
chemical group:	ORAC	CAS-No.:	79-14-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	not 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	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
37	%	100	°C	not resistant	
chemical:	Helium				
chemical formula:	{He}				
chemical group:	ELSE	CAS-No.:	7440-59-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°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	
chemical:	Hexachlorobenzene				
chemical formula:	{C ₆ Cl ₆ }				
chemical group:	ARHC	CAS-No.:	118-74-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	80	°C	resistant	
chemical:	Hexafluoroisopropyl alcohol				
chemical formula:	{(CF ₃) ₂ CHOH - C ₃ H ₂ F ₆ O}				
chemical group:	ALCO	CAS-No.:	920-66-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	soluble	
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:
30	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not 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	

chemical:	Humic acids				
chemical formula:	--				
chemical group:	ORAC	CAS-No.:	1415-93-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°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	%	80	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	100	°C	resistant	

chemical:	Hydrobromic acid				
chemical formula:	{HBr}				
chemical group:	IOAC	CAS-No.:	10034-10-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	

chemical:	Hydrochloric acid				
chemical formula:	{HCl}				
chemical group:	IOAC	CAS-No.:	7647-01-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
2	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
2	%	100	°C	not resistant	

chemical:	Hydrochloric acid				
chemical formula:	{HCl}				
chemical group:	IOAC	CAS-No.:	7647-01-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	100	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	soluble	

chemical:	Hydrofluoric acid				
chemical formula:	{HF}				
chemical group:	IOAC	CAS-No.:	7664-39-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	60	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	50	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	soluble	

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	

chemical:	Hydrogen bromide				
chemical formula:	{HBr}				
chemical group:	IOAC	CAS-No.:	10034-10-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not 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	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	75	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	

chemical:	Hydrogen iodide				
chemical formula:	{HJ}				
chemical group:	IOAC	CAS-No.:	10034-85-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not 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	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	

chemical:	Hydroquinone				
chemical formula:	{C6H4(OH)2}				
chemical group:	PHEN	CAS-No.:	123-31-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	not resistant	

chemical:	Hydroxybutanedioic acid				
chemical formula:	{HOOCCH(OH)CH2COOH}				
chemical group:	ORAC	CAS-No.:	6915-15-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Inert gases (Argon, Helium, Neon, ...)				
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Iodine				
chemical formula:	{J2}				
chemical group:	HALO	CAS-No.:	7553-56-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	not resistant	

chemical:	Iodine tincture				
chemical formula:	{I2}				
chemical group:	HALO	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	

chemical:	Iron(II)-chloride				
chemical formula:	{FeCl2}				
chemical group:	SALT	CAS-No.:	7758-94-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°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	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not 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	

chemical:	Javelle water				
chemical formula:	{NaOCl}				
chemical group:	SALT	CAS-No.:	7681-52-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	60	°C	not 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	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	85	°C	resistant	

chemical:	Ketones (aliphatic)				
chemical formula:	{RCOR}				
chemical group:	AL/K	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	limited resistance	

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:
90	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	not 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	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	

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

chemical:	Lithium salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	7439-93-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	

chemical:	Lubricating greases				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	74869-21-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	110	°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	

chemical:	Magnesium chloride				
chemical formula:	{MgCl ₂ }				
chemical group:	SALT	CAS-No.:	7786-30-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not 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:
10	%	RT	°C	resistant	

chemical:	Magnesium salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	7439-95-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	

chemical:	Malonic acid				
chemical formula:	{HOOCCH ₂ COOH - C ₃ H ₄ O ₄ }				
chemical group:	ORAC	CAS-No.:	141-82-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	

chemical:	Manganese salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	

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	

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	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	limited resistance	

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	

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

chemical:	Methoxyethanol (2-)				
chemical formula:	{CH ₃ OC ₂ H ₄ OH - C ₃ H ₈ O ₂ }				
chemical group:	ALCO	CAS-No.:	109-86-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Methyl acetate				
chemical formula:	{CH ₃ COOCH ₃ - C ₃ H ₆ O ₂ }				
chemical group:	ESTR	CAS-No.:	79-20-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Methyl chloride				
chemical formula:	{CH ₃ Cl}				
chemical group:	CFHC	CAS-No.:	74-87-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°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:
20	%	RT	°C	resistant	

chemical:	Methyl glycol				
chemical formula:	{CH ₃ OC ₂ H ₄ OH - C ₃ H ₈ O ₂ }				
chemical group:	ALCO	CAS-No.:	109-86-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Methylamine				
chemical formula:	{CH ₃ NH ₂ - CH ₅ N}				
chemical group:	AMIN	CAS-No.:	74-89-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
32	%	RT	°C	resistant	

chemical:	Methylaniline				
chemical formula:	{C ₆ H ₅ NHCH ₃ - C ₇ H ₉ N}				
chemical group:	ARHC	CAS-No.:	100-61-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°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	not resistant	

chemical:	Methylpyrrolidon (n-)				
chemical formula:	{C ₅ H ₉ NO}				
chemical group:	OTHC	CAS-No.:	872-50-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	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	

chemical:	Motor 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	%	80	°C	resistant	

chemical:	Motor oils HD				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	130	°C	resistant	

chemical:	Mould (MIL-T-18404 / 4.4.8)				
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Naphtha				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8030-30-6	Syn-No.:	
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	

chemical:	Naphthalenesulphonic acids				
chemical formula:	{C10H7SO3H - C10H8O3S}				
chemical group:	ORAC	CAS-No.:	68153-01-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	

chemical:	Naphthoic acid				
chemical formula:	{C10H7COOH - C11H8O2}				
chemical group:	ORAC	CAS-No.:	1320-04-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Natural gas				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	

chemical:	Neon				
chemical formula:	{Ne}				
chemical group:	ELSE	CAS-No.:	7740-01-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Nickel salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	

chemical:	Nitric acid				
chemical formula:	{HNO3}				
chemical group:	IOAC	CAS-No.:	7697-37-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
0,1	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
2	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	90	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	soluble	

chemical:	Nitric acid				
chemical formula:	{HNO ₃ }				
chemical group:	IOAC	CAS-No.:	7697-37-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	50	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	75	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
98	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
98	%	50	°C	soluble	

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	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	200	°C	soluble	

chemical:	Nitrogen				
chemical formula:	{N ₂ }				
chemical group:	ELSE	CAS-No.:	7727-37-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Nitrogen monoxides				
chemical formula:	{NO/NO ₂ }				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	limited resistance	

chemical:	Nitrogen under high pressure				
chemical formula:	{N ₂ }				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	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	limited resistance	

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	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	soluble	

chemical:	Octadecenoic acid (9-)				
chemical formula:	{CH ₃ (CH ₂) ₇ CHCH(CH ₂) ₇ COOH - C ₁₈ H ₃₄ O ₂ }				
chemical group:	ORAC	CAS-No.:	112-80-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Octane (n-)				
chemical formula:	{C ₈ H ₁₈ }				
chemical group:	ALHC	CAS-No.:	111-65-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Octene				
chemical formula:	{CH ₃ (CH ₂) ₅ CH:CH ₂ }				
chemical group:	ALHC	CAS-No.:	25377-83-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

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

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

chemical:	Oleum (Concentration 80:20 %)				
chemical formula:	{H2SO4+SO3}				
chemical group:	IOAC	CAS-No.:	8014-95-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	soluble	

chemical:	Oxalic acid				
chemical formula:	{HOOC-COOH}				
chemical group:	ORAC	CAS-No.:	144-62-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	

chemical:	Oxygen				
chemical formula:	{O2}				
chemical group:	ELSE	CAS-No.:	7782-44-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Ozone				
chemical formula:	{O3}				
chemical group:	ELSE	CAS-No.:	10028-15-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	not resistant	

chemical:	Ozone - diluted in air (20 ppm)				
chemical formula:	{O3}				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
--	%	RT	°C	limited resistance	

chemical:	Palmitic acid				
chemical formula:	{C15H31COOH}				
chemical group:	ORAC	CAS-No.:	57-10-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Paraffin waxes				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8002-74-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	

chemical:	Paraffine oil				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8012-95-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°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

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	%	100	°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	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
70	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	

chemical:	Petrol, normal (DIN 53521)				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	8006-61-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	85	°C	resistant	

chemical:	Petrol, super (DIN 53521)				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	85	°C	resistant	

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

chemical:	Phenol				
chemical formula:	{C6H5OH}				
chemical group:	PHEN	CAS-No.:	108-95-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
75	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
90	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	40	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	60	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	75	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	soluble	

chemical:	Phenoxybenzene				
chemical formula:	{C6H5OC6H5 - C12H10O}				
chemical group:	ETHR	CAS-No.:	101-84-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	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:
0,3	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
3	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
25	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
25	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	60	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
85	%	100	°C	soluble	
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	limited resistance	
chemical:	Picric acid				
chemical formula:	{C6H2(NO2)3OH}				
chemical group:	ORAC	CAS-No.:	88-89-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	

chemical:	Potassium bromide				
chemical formula:	{KBr}				
chemical group:	SALT	CAS-No.:	7758-02-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	

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:
50	%	RT	°C	resistant	

chemical:	Potassium chloride				
chemical formula:	{KCl}				
chemical group:	SALT	CAS-No.:	7447-40-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	80	°C	limited resistance	

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:
5	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	80	°C	limited resistance	

chemical:	Potassium hydroxide				
chemical formula:	{KOH}				
chemical group:	IOBA	CAS-No.:	1310-58-3	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:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	80	°C	limited resistance	

chemical:	Potassium hydroxide				
chemical formula:	{KOH}				
chemical group:	IOBA	CAS-No.:	1310-58-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
25	%	120	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	80	°C	not resistant	

chemical:	Potassium nitrate				
chemical formula:	{KNO3}				
chemical group:	SALT	CAS-No.:	7757-79-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°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	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	80	°C	not resistant	

chemical:	Potassium sulphate				
chemical formula:	{K2SO4}				
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:
5	%	100	°C	not resistant	

chemical:	Potassium sulphide				
chemical formula:	{K2S}				
chemical group:	SALT	CAS-No.:	1312-73-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	

chemical:	Propane gaseous				
chemical formula:	{C3H8}				
chemical group:	ALHC	CAS-No.:	74-98-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Propanol (n-)				
chemical formula:	{C3H7OH - C3H8O}				
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	%	100	°C	soluble	

chemical:	Propene				
chemical formula:	{C3H6}				
chemical group:	ALHC	CAS-No.:	115-07-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Propionic acid				
chemical formula:	{C2H5COOH - C3H6O2}				
chemical group:	ORAC	CAS-No.:	79-09-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	not 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	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	80	°C	limited resistance	

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	not resistant	

chemical:	Resorcinol in ethanol				
chemical formula:	--				
chemical group:	PHEN	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	soluble	

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	%	100	°C	limited resistance	

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	

chemical:	Silicone oil				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	80	°C	resistant	

chemical:	Silver nitrate				
chemical formula:	{AgNO3}				
chemical group:	SALT	CAS-No.:	7761-88-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not 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:	{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:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
45	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
45	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
60	%	RT	°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:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	80	°C	limited resistance	

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	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	

chemical:	Sodium bisulphite				
chemical formula:	{NaHSO ₃ }				
chemical group:	SALT	CAS-No.:	7631-90-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°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:
10	%	RT	°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:
20	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	80	°C	limited resistance	

chemical:	Sodium chlorate				
chemical formula:	{NaClO ₃ }				
chemical group:	SALT	CAS-No.:	7775-09-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°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:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	80	°C	limited resistance	

chemical:	Sodium cyanide				
chemical formula:	{NaCN}				
chemical group:	SALT	CAS-No.:	143-33-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°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:
10	%	RT	°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:
10	%	RT	°C	resistant	

chemical:	Sodium hydroxide				
chemical formula:	{NaOH}				
chemical group:	IOBA	CAS-No.:	1310-73-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
15	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	80	°C	not resistant	

chemical:	Sodium hypochlorite				
chemical formula:	{NaOCl}				
chemical group:	SALT	CAS-No.:	7681-52-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	80	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	not resistant	

chemical:	Sodium lactate				
chemical formula:	{CH ₃ CHOHCOONa}				
chemical group:	SALT	CAS-No.:	72-17-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
60	%	RT	°C	limited resistance	

chemical:	Sodium nitrate				
chemical formula:	{NaNO ₃ }				
chemical group:	SALT	CAS-No.:	7631-99-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	

chemical:	Sodium nitrite				
chemical formula:	{NaNO ₂ }				
chemical group:	SALT	CAS-No.:	7632-00-0	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	

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:
10	%	RT	°C	resistant	

chemical:	Sodium salts				
chemical formula:	--				
chemical group:	SALT	CAS-No.:	7440-23-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	80	°C	limited resistance	

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:
10	%	RT	°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:
10	%	RT	°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:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°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:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°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:
10	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	not resistant	

chemical:	Steam				
chemical formula:	{H ₂ O}				
chemical group:	ELSE	CAS-No.:	7732-18-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	>100	°C	not resistant	

chemical:	Steam sterilisation 50 cycles (DIN 58946)				
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	134	°C	limited resistance	

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	

chemical:	Styrene				
chemical formula:	{C6H5CH:CH2}				
chemical group:	ARHC	CAS-No.:	100-42-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	80	°C	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	

chemical:	Sulphur dioxide, dry				
chemical formula:	{SO2}				
chemical group:	ELSE	CAS-No.:	7446-09-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	limited resistance	

chemical:	Sulphur dioxide, wet				
chemical formula:	{SO2}				
chemical group:	ELSE	CAS-No.:	7446-09-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	limited resistance	

chemical:	Sulphur hexafluoride				
chemical formula:	{SF6}				
chemical group:	ELSE	CAS-No.:	2551-62-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Sulphuric acid				
chemical formula:	{H2SO4}				
chemical group:	IOAC	CAS-No.:	7664-93-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
1	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
2	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
3	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	60	°C	not resistant	

SCHMIDT + BARTL GMBH - AUF HERDENEN 30 - 78052 VS-VILLINGEN - TEL: 07721/99130 - FAX 07721/991320

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:
10	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
30	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
60	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
80	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	RT	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	60	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	75	°C	soluble	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
96	%	100	°C	soluble	
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	soluble	

chemical:	Sulphurous acid				
chemical formula:	{H2SO3}				
chemical group:		CAS-No.:	7782-99-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	soluble	

chemical:	Tartaric acid				
chemical formula:	{HOOC(CHOH)2COOH}				
chemical group:	ORAC	CAS-No.:	87-69-4	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	limited resistance	

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	%	60	°C	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	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	not resistant	

chemical:	Tetrafluoropropanol				
chemical formula:	{F2CHCF2CH2OH - C3H4F4O}				
chemical group:	CFHC	CAS-No.:	76-37-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	soluble	

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	

SCHMIDT + BARTL GMBH - AUF HERDENEN 30 - 78052 VS-VILLINGEN - TEL: 07721/99130 - FAX 07721/991320

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	

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	soluble	

chemical:	Thiophen				
chemical formula:	{C4H4S}				
chemical group:	OTHC	CAS-No.:	110-02-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°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	%	65	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	80	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Toxilic acid				
chemical formula:	{HOCC2H2COOH-C4H4O4}				
chemical group:	ORAC	CAS-No.:	110-16-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
25	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	

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

chemical:	Trichloroacetic acid				
chemical formula:	{CCl ₃ COOH - C ₂ HCl ₃ O ₂ }				
chemical group:	ORAC	CAS-No.:	76-03-9	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	80	°C	not resistant	

chemical:	Trichloroethane (1,1,1-)				
chemical formula:	{CH ₃ CCl ₃ }				
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	%	45	°C	resistant	

chemical:	Trichloroethanol				
chemical formula:	{CCl ₃ CH ₂ OH - C ₂ H ₃ Cl ₃ O}				
chemical group:	ALCO	CAS-No.:	115-20-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	soluble	

chemical:	Trichloroethylene				
chemical formula:	{CHCl:CCl ₂ }				
chemical group:	CFHC	CAS-No.:	79-01-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	60	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	80	°C	not resistant	

chemical:	Trichlorotrifluoroethane (R-113)				
chemical formula:	{C ₂ F ₃ Cl ₃ }				
chemical group:	CFHC	CAS-No.:	76-13-1	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

SCHMIDT + BARTL GMBH - AUF HERDENEN 30 - 78052 VS-VILLINGEN - TEL: 07721/99130 - FAX 07721/991320

chemical:	Trichlorotrifluoroethane (R-113)				
chemical formula:	{C2F3Cl3}				
chemical group:	CFHC	CAS-No.:	76-13-1	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	

chemical:	Triethanolamine				
chemical formula:	{(HOCH2CH2)3N}				
chemical group:	AMIN	CAS-No.:	102-71-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

chemical:	Trifluoroethanol				
chemical formula:	{CF3CH2OH - C2H3F3O}				
chemical group:	ALCO	CAS-No.:	75-89-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	soluble	

chemical:	Trimethylamine				
chemical formula:	{(CH3)3N}				
chemical group:	AMIN	CAS-No.:	75-50-3	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	RT	°C	resistant	

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

chemical:	Urea				
chemical formula:	{(NH2)2CO}				
chemical group:	ELSE	CAS-No.:	57-13-6	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
5	%	RT	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
20	%	RT	°C	resistant	

chemical:	Uric acid				
chemical formula:	{C5H4N4O3}				
chemical group:	OTHC	CAS-No.:	69-93-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	resistant	

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

chemical:	vinegar				
chemical formula:	{C2H4O2}				
chemical group:	OTHC	CAS-No.:	64-19-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	not resistant	

chemical:	Vinyl bromide				
chemical formula:	{CH2CHBr - C2H3Br}				
chemical group:	CFHC	CAS-No.:	593-60-2	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	80	°C	resistant	

chemical:	Vinyl chloride				
chemical formula:	{CH2CHCl - C2H3Cl}				
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	%	80	°C	resistant	

chemical:	Washing waters				
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	%	80	°C	resistant	

chemical:	Water				
chemical formula:	{H2O}				
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	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	80	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	95	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	100	°C	not resistant	

chemical:	Water (chlorinated as Drinking)				
chemical formula:	{H2O}				
chemical group:	ELSE	CAS-No.:	7732-18-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Water (demineralised)				
chemical formula:	{H2O}				
chemical group:	ELSE	CAS-No.:	7732-18-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	Water (distilled)				
chemical formula:	{H2O}				
chemical group:	ELSE	CAS-No.:	7732-18-5	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
UV	%	RT	°C	resistant	

chemical:	White Spirit				
chemical formula:	--				
chemical group:	OTHC	CAS-No.:	64742-88-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	resistant	

chemical:	Wine & Spirits				
chemical formula:	--				
chemical group:	ELSE	CAS-No.:	--	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
H	%	RT	°C	limited resistance	

chemical:	Xylene				
chemical formula:	{C ₆ H ₄ (CH ₃) 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	%	60	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	80	°C	resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
TR	%	100	°C	resistant	

chemical:	Zinc chloride				
chemical formula:	{ZnCl ₂ }				
chemical group:	SALT	CAS-No.:	7646-85-7	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
GL	%	80	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
40	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	RT	°C	not resistant	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
50	%	100	°C	not resistant	

chemical:	Zinc(II)-salts				
chemical formula:	{SnCl ₂ }				
chemical group:	SALT	CAS-No.:	7772-99-8	Syn-No.:	
Conc.:	Value:	Temp.:	Value:	Resistance:	Remarks:
10	%	RT	°C	limited resistance	

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

Schmidt & Bartl GmbH assumes no liability for the use of the information, and the related processing, utilization and the resulting consequences for the product and the application.

The buyer is obliged to check the quality and all related properties in connection completely. The responsibility for the application, use and processing of our products and the use of the information or consequences thereof incumbent upon the customer. Schmidt Bartl GmbH assumes no liability for any infringement of the rights owned, patent rights, copyrights or other rights, by application, use and processing of our products and use of the information, by the buyer. Our information and statements reflect the current state of our knowledge and shall inform about our products and their applications. They do not assure or guarantee chemical resistance, quality of products and their merchantability in a legally binding way. Our products are not defined for use in medical or dental implants. Existing commercial patents have to be observed. The corresponding values and information are no minimum or maximum values, but guideline values that can be used primarily for comparison purposes for material selection. These values are within the normal tolerance range of product properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes.