



Chemical Resistance List PolymerMetall®

A huge number of different parameters can influence the resistance. We advise before the application of polymer materials always to carry out pre-tests under consideration of the later local operation conditions for the purpose of examination/confirmation of the resistance. A special assessment is required, if mechanical, chemical and thermal stresses occur simultaneously. The assessments of the chemical resistances listed on the following pages shall serve merely as orientation.

Generally higher temperatures can significantly affect the chemical resistance depending on the medium. Since diffusion processes are temperature dependent, the information concerning the chemical resistances are only valid for the indicated temperatures

Test data

Curing of the samples: 9 days at room temperature (if not specified otherwise)
Chemical temperature: Room temperature (if not specified otherwise)
Test duration (Exposure time of chemicals): 30 days (if not specified otherwise)

Legend to symbols to the table in the following pages:

[Chemical Resistance]

+ = resistant
0 = conditionally resistant
- = not resistant

[Footnote]

*1 = Further details concerning the influence of liquids on the strength of bonded compositions can be found in the technical data sheet of XETEX® BD.

Note

A good chemical resistance is obtained after curing over 9 days at room temperature. Generally warm curing improves the chemical resistance and additionally considerably shortens the curing time which is necessary for a high chemical capacity.

Example: Curing 24 h at room temperature + curing 20 h at 30 – 40 °C
(alternatively)
Curing 24 h at room temperature + curing 2 h at approx. 65 °C

It is important that not only the polymer metal alone, but also the corresponding substrate is warmed up at the same time.

The product information and instructions provided in this leaflet were prepared to the best of our knowledge and serve information purposes only. We recommend that appropriate tests are carried out prior to application in order to ensure that the products and methods fulfil the purpose desired by the user. In this procedure, the given data may serve as a basis. Application and processing of the products lie outside our possible control and are therefore the sole responsibility of the user. The chemical resistance of a material is considerably affected when mechanic or physical or thermal stresses take effect additionally.

MultiMetall
the MetalExistenceCompany®

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Chemical (German)	Chemical (English)	Formula	MM-metal SS- steelceramic with Hardener yellow	MM-metal SQ	MM-metal oL- steelceramic with Hardener yellow	MM-metal UW	XETEX BD*1	Ceranium	Ceranium CH with Hardener CH1	Ceranium CH with Hardener CH2	Notes
Bleichkalk, wässrige Lösung <i>siehe Chlorkalk, wässrige Lösung</i>	-										
Acetamid	Acetamide	C ₂ H ₅ NO		70% +							
Essigsäure	Acetic acid	C ₂ H ₄ O ₂	10% + 15% 0	10% +	10% + 15% 0		10% + 15% 0	10% + 15% 0		10% + 30% + 50% + 98% +	Exposure time 90 days; curing 24 h at room temperature + 20 h at 30-40 °C or curing 24 h at room temperature + 2 h at 65 °C Exposure time 90 days; curing 24 h at room temperature + 3 h at 130 °C
Aceton Aceton bei 56°C (Siedepunkt)	Acetone Acetone at 56°C (Boiling point)	C ₃ H ₆ O C ₃ H ₆ O	+ +	- -	+ +	- -	+ -	+ +	- -	+ +	
Aluminiumchlorid	Aluminium chloride	AlCl ₃	+		+		+	+	+		
Aluminiumhydroxid	Aluminium hydroxide	Al(OH) ₃	+		+		+	+	+		
Kaliumaluminiumsulfat <i>(auch Alaun)</i>	Aluminium potassium sulfate dodecahydrate <i>(also Potassium alum)</i>	KAl(SO ₄) ₂ x 12 H ₂ O	+	+	+		+	+	+		
Aluminiumsulfat	Aluminium sulfate	Al ₂ (SO ₄) ₃	+	+	+	+	+	+	+		
Ammoniak <i>siehe Ammoniumhydroxid</i>	Ammonia <i>see Ammonium hydroxide</i>										
Ammoniumbicarbonat <i>siehe Ammoniumhydrogencarbonat</i>	Ammonium bicarbonate <i>see Ammonium hydrogen carbonate</i>										
Ammoniumbromid, wässrige Lösung	Ammonium bromide, hydrous solution	NH ₄ Br	+	+	+		+	+	+		
Ammoniumcarbonat	Ammonium carbonate	(NH ₄) ₂ CO ₃	+		+		+	+	+		
Ammoniumcarbonat, wässrige Lösung	Ammonium carbonate, hydrous solution	(NH ₄) ₂ CO ₃	+		+		+	+	+		
Ammoniumchlorid	Ammonium chloride	(NH ₄)Cl	+		+	+	+	+	+		
Ammoniumdihydrogenphosphat <i>(auch Ammoniumphosphat)</i>	Ammonium dihydrogen phosphate <i>(also Ammonium phosphate)</i>	(NH ₄) ₃ PO ₄	+	+	+	+	+	+	+		
Ammoniumhydrogencarbonat <i>(auch Ammoniumbicarbonat)</i>	Ammonium hydrogen carbonate <i>(also Ammonium bicarbonate)</i>	CH ₃ NO ₃	+		+		+	+	+		
Ammoniumhydroxid <i>(auch Ammoniak)</i>	Ammonium hydroxide <i>(also Ammonia)</i>	NH ₃ + H ₂ O	10% + 20% + 30% -	-	10% + 20% + 30% -		10% + 20% + 30% -	10% + 20% + 30% -	10% + 25% + 30% +		
Ammoniumeisen(III)-sulfat <i>(auch Eisenaun)</i>	Ammonium iron(III) sulfate <i>(also Iron alum)</i>	(NH ₄)Fe(SO ₄) ₂	+	+	+	+	+	+	+		
Ammoniumnitrat	Ammonium nitrate	(NH ₄)NO ₃	+	+	+	+	+	+	+		
Ammoniumphosphat <i>siehe Ammoniumdihydrogenphosphat</i>	Ammonium phosphate <i>see Ammonium dihydrogen phosphate</i>										
Ammoniumsulfat	Ammonium sulfate	(NH ₄) ₂ SO ₄	+	+	+	+	+	+	+		
Frostschutzmittel	Antifreeze	-	+	+	+	+	+	+	+		
Antimontrichlorid	Antimony trichloride	SbCl ₃	+		+		+	+	+		
Bariumcarbonat	Barium carbonate	BaCO ₃	+		+		+	+	+		
Bariumchlorid	Barium chloride	BaCl ₂	+	+	+	+	+	+	+		
Bariumhydroxid	Barium hydroxide	Ba(OH) ₂	+		+		+	+	+		
Bariumnitrit, wässrige Lösung	Barium nitrite, hydrous solution	Ba(NO ₂) ₂	+	+	+		+	+	+		
Akkusäure	Battery acid	H ₂ SO ₄	+	+			+		+		
Bier	Beer	-	+	+	+		+	+	+		
Benzol	Benzene	C ₆ H ₆	+	-	+	-	+	+		+	
Benzylalkohol	Benzyl alcohol	C ₇ H ₈ O	+	+	+	+	+	+		+	
Bleiche, Bleichmittel <i>siehe Natriumhypochlorit (16%)</i>	Bleach <i>see Sodium hypochlorite (16%)</i>										

Chemical (German)	Chemical (English)	Formula	MM-metal SS- steelceramic with Hardener yellow	MM-metal SQ	MM-metal oL- steelceramic with Hardener yellow	MM-metal UW	XETEX BD*1	Ceranium	Ceranium CH with Hardener CH1	Ceranium CH with Hardener CH2	Notes
Diisooctylphthalat (DOP) (auch Dioctylphthalat)	Bis(2-ethylhexyl) phthalate (also Dioctyl phthalate)	C ₂₄ H ₃₈ O ₄	+	+	+		+	+		+	
Chlorkalk, wässrige Lösung (auch Bleichkalk, wässrige Lösung)	-	CaH ₂ O ₂	0	-	0	0	0	0	+		
Borax siehe Natriumborax	Borax see Sodium tetraborate decahydrate										
Borsäure	Boric acid	H ₃ BO ₃	+	+	+	+	+	+	+		
Bremsflüssigkeit	Brake fluid	-	+	+	+	+	+	+	+		
Buttersäure	Butanoic acid	C ₄ H ₈ O ₂	+	+	+	+	+	+	+	+	
Butanol (auch Butylalkohol)	Butanol (also Butyl alcohol)	C ₄ H ₁₀ O	+	+	+	+	+	+		+	
Butylacetat siehe Essigsäurebutylester	Butyl acetate see Butyl ethanoate										
Butylalkohol siehe Butanol	Butyl alcohol see Butanol										
Essigsäurebutylester (auch Butylacetat)	Butyl ethanoate (also Butyl acetate)	C ₆ H ₁₂ O ₂	+	-	+	-	+	+		+	
Calciumbicarbonat siehe Calciumhydrogencarbonat	Calcium bicarbonate see Calcium hydrogen carbonate										
Calciumcarbonat, wässrige Lösung	Calcium carbonate, hydrous solution	CaCO ₃	+	+	+	+	+	+	+		
Calciumchlorat	Calcium chlorate	Ca(ClO ₃) ₂	+	8% +	+		+	+	+		
Calciumchlorid	Calcium chloride	CaCl ₂	+	+	+	+	+	+	+		
Calciumhydrogencarbonat (auch Calciumbicarbonat)	Calcium hydrogen carbonate (also Calcium bicarbonate)	Ca(HCO ₃) ₂	+		+		+	+	+		
Calciumbisulfit	Calcium hydrogensulfit	Ca(HSO ₃) ₂	+		+		+	+	+		
Calciumhydroxid (auch Kalkwasser)	Calcium hydroxide (also Milk of lime)	CaH ₂ O ₂	+		+		+	+	+		
Calciumhydroxid, wässrige Lösung	Calcium hydroxide, hydrous solution	Ca(OH) ₂	+	+	+	+	+	+	+		
Calciumhypochlorit	Calcium hypochlorite	Ca(OCl) ₂	+		+		+	+	+		
Calciumnitrat	Calcium nitrate	Ca(NO ₃) ₂	+		+		+	+	+		
Calciumsulfat	Calcium sulfate	CaSO ₄	+		+		+	+	+		
Tetrachlorkohlenstoff (auch Tetrachlormethan)	Carbon tetrachloride (also Tetrachloromethane)	CCl ₄	+	0	+	0	+	+	0	+	
Rizinusöl	Castor oil	-	+	+	+	+	+	+	+		
Chlorgas (feucht)	Chlorine gas (wet)	Cl ₂	+	-	+		+	+	+		
Chlorbenzol	Chlorobenzene	C ₆ H ₅ Cl	+	-	+	-	+	+		+	
Chloroform (auch Trichlormethan)	Chloroform (also Trichloromethane)	CHCl ₃	-	-	-	-	-	-	-	0	
Chlorsulfonsäure, wässrige Lösung	Chlorosulphonic acid, hydrous solution	HSO ₃ Cl	0		0		0	0		+	
Chromsäure	Chromic acid	CrO ₃	6% + 12% +	6% + 12% + 36% +	6% + 12% +	10% + 30% +	6% + 12% +	6% + 12% +	5% + 10% + 20% + 40% +		
Zimtaldehyd	Cinnamic aldehyde	C ₉ H ₈ O	+	+	+	+	+	+	+		
Zitronensäure	Citric acid	C ₆ H ₈ O ₇	20% +	+	20% +		20% +	20% +		+	
Cobalt(II)-chlorid	Cobalt(II) chloride	CoCl ₂	+	+	+	+	+	+	+		
Cobalt(II)-nitrat	Cobalt(II) nitrate	Co(NO ₃) ₂	+	+	+	+	+	+	+		
Kupferacetat	Copper acetate	C ₄ H ₆ CuO ₄	+		+		+	+	+		
Kupfer(II)-chlorid	Copper(II) chloride	CuCl ₂	+	+	+	+	+	+	+		
Kupfer(II)-nitrat	Copper(II) nitrate	Cu(NO ₃) ₂	+		+		+	+	+		
Kupfer(II)-sulfat (auch Kupfersulfat)	Copper(II) sulfate (also Cupric sulfate)	CuSO ₄	+	+	+	+	+	+	+		
Kresol	Cresol	C ₇ H ₈ O	-	-	-	-	-	-	-	0	
Rohöl	Crude oil	-	+	+	+	+	+	+	+	+	

Chemical (German)	Chemical (English)	Formula	MM-metal SS- steelceramic with Hardener yellow	MM-metal SQ	MM-metal oL- steelceramic with Hardener yellow	MM-metal UW	XETEX BD*1	Ceranium	Ceranium CH with Hardener CH1	Ceranium CH with Hardener CH2	Notes
Kupfersulfat <i>siehe Kupfer(II)-sulfat</i>	Cupric sulfate <i>see Copper(II) sulfate</i>										
Cyclohexan	Cyclohexane	C ₆ H ₁₂	+		+		+	+		+	
Cyclohexanol	Cyclohexanol	C ₆ H ₁₂ O	+	+	+		+	+		+	
Cyclohexanon	Cyclohexanone	C ₆ H ₁₀ O	+	-	+	-	+	+		+	
Cyclohexylamin	Cyclohexylamine	C ₆ H ₁₃ N		+					+		
Dibutylether	Dibutyl ether	C ₈ H ₁₈ O	+	-	+	-	+	+		+	
Dibutylphthalat	Dibutyl phthalate	C ₁₆ H ₂₂ O ₄	+	+	+		+	+		+	
Dibutylsebacat	Dibutyl sebacate	C ₁₈ H ₃₄ O ₄	+		+		+		+		
Dichlormethan <i>(auch Methylenechlorid)</i>	Dichloromethane <i>(also methylene chloride)</i>	CH ₂ Cl ₂	-	-	-	-	-	-	-		0 + Exposure time 90 days Exposure time 90 days; curing 24 h at room temperature + 2 h at 65 °C
Diesekraftstoff	Diesel fuel	-	+	+	+	+	+	+	+	+	
Dieselöl	Diesel oil	-	+	+	+	+	+	+	+	+	
Diethanolamin (DEA)	Diethanolamine (DEA)	C ₄ H ₁₁ NO ₂	0		0		0	0	+		
Diethylether <i>siehe Ethylether</i>	Diethyl ether <i>see Ethoxyethane</i>										
Diethylphthalat	Diethyl phthalate	C ₁₂ H ₁₄ O ₄	+		+		+	+	+		
Dimethylphthalat (DMP)	Dimethyl phthalate (DMP)	C ₁₀ H ₁₀ O ₄	+	-	+		+	+	+		
Dimethylformamid (DMF)	Dimethylformamide (DMF)	C ₃ D ₇ NO	-	-	-	-	-	-	-		
Distickstoffmonoxid <i>(auch Stickoxydul)</i>	Dinitrogen monoxide <i>(also Nitrous oxide)</i>	N ₂ O	+		+		+	+	+		
Diocetylphthalat <i>siehe Diisooctylphthalat</i>	Diocetyl phthalate <i>see Bis(2-ethylhexyl) phthalate</i>										
Ethanol	Ethanol	C ₂ H ₆ O	+	-	+	-	+	+	0	+	
Ethylether <i>(auch Diethylether)</i>	Ethoxyethane <i>(also Diethyl ether)</i>	C ₄ H ₁₀ O	+		+		+	+		+	
Ethylacetat	Ethyl acetate	C ₄ H ₈ O ₂	+	-	+	-	+	+	0	+	
Methoxyethanol <i>siehe Methylglycol</i>	Ethylene glycol monomethyl ether <i>see Methoxyethanol</i>										
Ethylenglycol <i>(auch Glykol)</i>	Ethylene glycol <i>(also Glycol)</i>	C ₂ H ₆ O ₂	+	+	+		+	+		+	
Eisennitrat	Ferrous nitrate	Fe(NO ₃) ₃	+		+		+	+	+		
Flussäure <i>see Fluorwasserstoffsäure</i>	Fluoric acid <i>see Hydrofluoric acid</i>										
Formaldehyd <i>siehe Methanal</i>	Formaldehyde <i>see Methanal</i>										
Formamid	Formamide	CH ₃ NO		+							
Ameisensäure	Formic acid	CH ₂ O ₂	10% 0 20% -	10% +	10% 0 20% -		10% 0 20% -	10% 0 20% -	10% + 20% +	10% + 20% +	50% + Curing 24 h at room temperature + 20 h at 30-40 °C or curing 24 h at room temperature + 2 h at 65 °C
Frigen	Frigen	-	+	+	+		+	+		+	
Benzin	Gasoline	C ₈ H ₁₂ - C ₁₂ H ₂₆	+	+	+		+	+		+	
Glycerin <i>(auch Glycerol)</i>	Glycerine <i>(also Glycerol)</i>	C ₃ H ₈ O ₃	+	+	+	+	+	+		+	
Glycerol <i>siehe Glycerin</i>	Glycerol <i>see Glycerine</i>										
Glykol <i>siehe Ethylenglycol</i>	Glycol <i>see Ethylene glycol</i>										

Chemical (German)	Chemical (English)	Formula	MM-metal SS- steelceramic with Hardener yellow	MM-metal SQ	MM-metal oL- steelceramic with Hardener yellow	MM-metal UW	XETEX BD*1	Ceranium	Ceranium CH with Hardener CH1	Ceranium CH with Hardener CH2	Notes
Traubensaft	Grape juice	-	+		+		+	+	+		
Fett	Grease	-	+	+	+	+	+	+	+		
Heizöl	Heating oil	-	+	+	+	+	+	+	+	+	
Heptan	Heptane	C ₇ H ₁₆	+		+		+	+		+	
Hexan	Hexane	C ₆ H ₁₄	+		+		+	+		+	
Hydraulikflüssigkeit	Hydraulic fluid	-	+	+	+	+	+	+	+	+	
Bromwasserstoffsäure	Hydrobromic acid	HBr		48% +					+		
Salzsäure (auch Chlorwasserstoffsäure)	Hydrochloric acid (also Muriatic acid)	HCl	10% + 15% +	10% +	10% + 15% +	10% +	10% + 15% +	10% + 15% +	20% + 30% + 36% +		
Fluorwasserstoffsäure (auch Flußsäure)	Hydrofluoric acid (also Fluoric acid)	HF							konz. + 50% 0		Exposure time 90 days
Wasserstoffperoxid, verdünnt	Hydrogen peroxide, diluted	H ₂ O ₂	0	-	0		0	0		30% +	Exposure time 90 days; curing 24 days at room temperature + 20 h at 30-40 °C or curing 24 days at room temperature + 2 h at 65 °C
Kieselfluorwasserstoffsäure	Hydrosilicofluoric acid	H ₂ SiF ₆		34% +							
Überchlorsäure <i>siehe Perchlorsäure</i>	Hyperchloric acid <i>see Perchloric acid</i>								50% +		
Eisenaun <i>siehe Ammonium Eisen(III)-sulfat</i>	Iron alum <i>see Ammonium iron(III) sulfate</i>										
Eisen(II)-chlorid	Iron(II) chloride	FeCl ₂	+	+	+	+	+	+	+	+	
Eisen(II)-sulfat	Iron(II) sulfate	FeSO ₄	+	+	+	+	+	+	+	+	
Eisen(III)-chlorid	Iron(III) chloride	FeCl ₃	+	+	+	+	+	+	+	+	
Isobutylmethylketon (auch Methylisobutylketon (MIBK))	Isobutylmethyl ketone (also Methyl isobutyl ketone MIBK)	C ₆ H ₁₂ O	0	-	0	-	0	0		+	
Isopropanol (auch Isopropylalkohol oder Propanol oder Propylalkohol)	Isopropanol (also Isopropyl alcohol or Propanol or Propyl alcohol)	C ₃ H ₈ O	+	-	+	-	+	+		+	
Isopropylalkohol <i>siehe Isopropanol</i>	Isopropyl alcohol <i>see Isopropanol</i>										
Kerosin	Jet fuel	-	+		+		+	+		+	
Petroleum	Kerosene	-	+	+	+	+	+	+	+	+	
Milchsäure, wässrige Lösung	Lactic acid, hydrous solution	C ₃ H ₆ O ₃	10% +	+	10% +	+	10% +	10% +		+	
Blei(II)-acetat	Lead(II) acetate	C ₄ H ₆ PbO ₄	+	+	+	+	+	+	+	+	
Blei(II)-nitrat	Lead(II) nitrate	Pb(NO ₃) ₂	+	+	+	+	+	+	+	+	
Leinöl	Linseed oil	-	+	+	+		+	+	+	+	
Schmierstoffe	Lubricants	-	+	+	+	+	+	+	+	+	
Schmieröl	Lubricating oil	-	+	+	+	+	+	+	+	+	
Maschinenöl	Machine oil	-	+	+	+	+	+	+	+	+	
Magnesiumchlorid	Magnesium chloride	MgCl ₂	+	+	+	+	+	+	+	+	
Magnesiumhydroxid	Magnesium hydroxide	Mg(OH) ₂	+		+		+	+	+		
Magnesiumsulfat	Magnesium sulfate	MgSO ₄	+	+	+	+	+	+	+	+	
Apfelsäure	Malic acid	C ₄ H ₆ O ₅	+	+	+		+	+	+	+	
Mangan(II)-chlorid	Manganese(II) chloride	MnCl ₂	+	+	+	+	+	+	+	+	
Mangan(II)-sulfat	Manganese(II) sulfate	MnSO ₄	+	+	+	+	+	+	+	+	
Methanal (auch Formaldehyd)	Methanal (also Formaldehyde)	CH ₂ O	25% +		25% +		25% +	25% +		35% +	
Methanol	Methanol	CH ₄ O	-	-	-	-	-	-			Exposure time 90 days
Methylglycol (auch Methoxyethanol)	Methoxyethanol (also Ethylene glycol monomethyl ether)	C ₃ H ₈ O ₂	+		+		+	+		+	

Chemical (German)	Chemical (English)	Formula	MM-metal SS- steelceramic with Hardener yellow	MM-metal SQ	MM-metal oL- steelceramic with Hardener yellow	MM-metal UW	XETEX BD*1	Ceranium	Ceranium CH with Hardener CH1	Ceranium CH with Hardener CH2	Notes
Methylacetat <i>siehe Essigsäuremethylester</i>	Methyl acetate <i>see Methyl ethanoate</i>										
Essigsäuremethylester <i>(auch Methylacetat)</i>	Methyl ethanoate <i>(also Methyl acetate)</i>	C ₃ H ₆ O ₂	+	-	+		+	+		+	
Methylethylketon (MEK)	Methyl ethyl ketone (MEK)	C ₄ H ₈ O	0	-	0	-	0	0		+	
Methylisobutylketon (MIBK) <i>siehe Isobutylmethylketon</i>	Methyl isobutyl ketone MIBK <i>see Isobutylmethyl ketone</i>										
Methylbenzol <i>(auch Toluol)</i>	Methylbenzene <i>(also Toluene)</i>	C ₇ H ₈	+	-	+	-	+	+		+	
Methylenchlorid <i>siehe Dichlormethan</i>	Methylene chloride <i>see Dichloromethane</i>										
Milch	Milk	-	+	+	+	+	+	+	+		
Kalkwasser <i>siehe Calciumhydroxid</i>	Milk of lime <i>see Calcium hydroxide</i>										
Mineralöl	Mineral oil	-	+	+	+	+	+	+	+	+	
Lackbenzin	Mineral spirit	-	+	+	+	+	+	+	+	+	
Motoröl	Motor oil	-	+	+	+	+	+	+	+	+	
Chlorwasserstoffsäure <i>siehe Salzsäure</i>	Muriatic acid <i>see Hydrochloric acid</i>										
Nickel(II)-chlorid	Nickel(II) chloride	NiCl ₂	+	+	+	+	+	+	+		
Nickel(II)-sulfat <i>(auch Nickelsulfat)</i>	Nickel(II) sulfate <i>(also Nickelous sulfate)</i>	NiSO ₄	+	+	+	+	+	+	+		
Nickelsulfat <i>siehe Nickel(II)-sulfat</i>	Nickelous sulfate <i>see Nickel(II) sulfate</i>										
Salpetersäure	Nitric acid	HNO ₃	10% +	10% +	10% +		10% +	10% +	5% + 10% + 30% + 50% + 50% +		Exposure time 90 days
Nitropropan	Nitropropane	C ₃ H ₇ NO ₂								+	
Stickoxydul <i>siehe Distickstoffmonoxid</i>	Nitrous oxide <i>see Dinitrogen monoxide</i>										
Ölsäure	Oleic acid	C ₁₈ H ₃₄ O ₂	+	+	+	+	+	+	+		
Olivenöl	Olive oil	-	+	+	+	+	+	+	+		
Oxalsäure	Oxalic acid	C ₂ H ₂ O ₄ x 2 H ₂ O	+	+	+	+	+	+	+	+	
Paraffine	Paraffin	C _n H _{2n+2}	+	+	+	+	+	+	+		
Perchlorsäure <i>(auch Überchlorsäure)</i>	Perchloric acid	HClO ₄		20% +					+		
Perchloräthylen (PER)	Perchloroethylene (PER)	C ₂ Cl ₄	+		+		+	+	0	+	
Phenol	Phenol	C ₆ H ₆ O	-	-	-	-	-	-	-	0	
Phosphorsäure	Phosphoric acid	H ₃ PO ₄	20% +	10% + 20% +	20% +	10% + 15% +	20% +	20% +	5% + 10% + 20% + 50% + konz. +		
Alaun <i>siehe Kaliumaluminiumsulfat</i>	Potassium alum <i>see Aluminium potassium sulfate dodecahydrate</i>										
Kaliumbichromat <i>siehe Kaliumdichromat</i>	Potassium bichromate <i>see Potassium dichromate</i>										
Kaliumbromid	Potassium bromide	KBr	+	+	+	+	+	+	+		
Kaliumcarbonat	Potassium carbonate	K ₂ CO ₃	+	+	+	+	+	+	+		
Kaliumchlorid	Potassium chloride	KCl	+	+	+	+	+	+	+		
Kaliumchromat	Potassium chromate	K ₂ CrO ₄	+	+	+	+	+	+	+		
Kaliumcyanid	Potassium cyanide	KCN	+		+		+	+	+		
Kaliumdichromat <i>(auch Kaliumbichromat)</i>	Potassium dichromate <i>(also Potassium bichromate)</i>	K ₂ Cr ₂ O ₇	+	+	+	+	+	+	+		

Chemical (German)	Chemical (English)	Formula	MM-metal SS- steelceramic with Hardener yellow	MM-metal SQ	MM-metal oL- steelceramic with Hardener yellow	MM-metal UW	XETEX BD*1	Ceranium	Ceranium CH with Hardener CH1	Ceranium CH with Hardener CH2	Notes
Ferrocyanokalium (auch Kaliumeisen(II)-cyanid)	Potassium ferrocyanide (also Potassium hexacyanoferrate (III))	$C_6FeK_4N_6 \times 3H_2O$	+	+	+	+	+	+	+		
Kaliumeisen(II)-cyanid siehe Ferrocyanokalium	Potassium hexacyanoferrate(II) see Potassium ferrocyanide										
Kaliumhydroxid	Potassium hydroxide	KHO	+	-	+	-	+	+	+		
Kaliumjodid	Potassium iodide	KI	+	+	+	-	+	+	+		
Kaliumnitrat	Potassium nitrate	KNO_3	+	+	+	+	+	+	+		
Kaliumpermanganat	Potassium permanganate	$KMnO_4$	+	-	+		+	+	+		
Trikaliumphosphat siehe Kaliumphosphat	Potassium phosphate, tribasic see Tripotassium phosphate										
Kaliumsulfat	Potassium sulfate	K_2SO_4	+	+	+	+	+	+	+		
Superbenzin	Premium grade gasoline	-	+	+	+	+	+	+	+	+	
Propanol siehe Isopropanol	Propanol see Isopropanol										
Propylacetat	Propyl acetate	$C_5H_{10}O_2$								+	
Propylalkohol siehe Isopropanol	Propyl alcohol see Isopropanol										
p-Toluolsulfonsäure, gesättigt	p-Toluenesulfonic acid, saturated	$C_7H_6O_3S$		+		+			+	+	
Pyridin	Pyridine	C_5H_5N	-	-	-	-	-	-		+	
Normalbezin	Regular gasoline	-	+	+	+	+	+	+	+	+	
Salzlösung (Sole), gesättigt	Salt solution (saline), saturated	NaCl	+	+	+	+	+	+	+		
Meerwasser	Seawater	-	+	+	+	+	+	+	+		
Silikonöl	Silicone oil	-	+		+		+	+	+		
Seifenlösung	Soapy water	-	+	+	+	+	+	+	+		
Natriumacetat	Sodium acetate	$C_2H_3NaO_2$	+	+	+	+	+	+	+		
Natriumaluminat	Sodium aluminate	$NaAlO_2$	+		+		+	+	+		
Natriumbicarbonat	Sodium bicarbonate	$NaHCO_3$	+		+		+	+	+		
Natriumbisulfat	Sodium bisulfate	$NaHSO_4$	+		+		+	+	+		
Natriumbisulfit	Sodium bisulfite	$NaHSO_3$	+		+		+	+	+		
Natriumbromid	Sodium bromide	NaBr	+	+	+	+	+	+	+		
Natriumcarbonat	Sodium carbonate	Na_2CO_3	+	+	+	+	+	+	+		
Natriumchlorat	Sodium chlorate	$NaClO_3$	+	+	+	+	+	+	+		
Natriumchlorid	Sodium chloride	NaCl	+	+	+	+	+	+	+		
Natriumchromat	Sodium chromate	$NaCrO_4$	+		+		+	+	+		
Natriumcyanid	Sodium cyanide	CNNa	+		+		+	+	+		
Natriumfluorid	Sodium fluoride	NaF	+		+		+	+	+		
Natriumhydroxid	Sodium hydroxide	NaOH	40% +	-	40% +	-	40% +	40% +	10% + 30% + 40% + 50% +		
Natriumhydroxid (bei 50 °C)	Sodium hydroxide (at 50 °C)	NaOH							50% +		
Natriumhypochlorit (16%) (auch Bleiche, Bleichmittel)	Sodium hypochlorite (16%) (also Bleach)	NaClO	0	-	0	-	0	0	+		
Natriumdisulfit (auch Natriumpyrosulfit)	Sodium metabisulfite (also Sodium pyrosulfite)	$Na_2S_2O_5$	+	40% +	+		+	+	+		Exposure time 90 days
Natriummetaphosphat	Sodium metaphosphate	$Na_nH_2P_nO_{3n+1}$	+		+		+	+	+		
Natriummetasilicat	Sodium metasilicate	Na_2SiO_3	+		+		+	+	+		
Natriumnitrat	Sodium nitrate	$NaNO_3$	+	+	+	+	+	+	+		
Natriumphosphat	Sodium phosphate	$Na_3PO_4 \times 12 H_2O$	+	+	+	+	+	+	+		
Natriumpyrosulfit siehe Natriumdisulfit	Sodium pyrosulfite see Sodium metabisulfite										
Natriumsilicat	Sodium silicate	$Na_2Si_3O_7$	+		+		+	+	+		
Natriumsulfat	Sodium sulfate	Na_2SO_4	+		+		+	+	+		

Chemical (German)	Chemical (English)	Formula	MM-metal SS- steelceramic with Hardener yellow	MM-metal SQ	MM-metal oL- steelceramic with Hardener yellow	MM-metal UW	XETEX BD*1	Ceranium	Ceranium CH with Hardener CH1	Ceranium CH with Hardener CH2	Notes
Natriumsulfid	Sodium sulfide	Na ₂ S	+		+		+	+	+		
Natriumborat (auch Borax)	Sodium tetraborate decahydrate (also Borax)	Na ₂ B ₄ O ₇ x 10 H ₂ O	+	+	+	+	+	+	+		
Stearinsäure	Stearic acid	C ₁₈ H ₃₆ O ₂	+	+	+	+	+	+	+	+	
Styrol	Styrene	C ₈ H ₈	+	-	+	-	+	+		+	
Schwefeldioxid	Sulphur dioxide	SO ₂	+		+		+	+	+		
Schwefeltrioxid	Sulphur trioxide	SO ₃	+		+		+	+	+		
Schwefelsäure	Sulphuric acid	H ₂ SO ₄	10% + 20% + 50% 0	10% + 20% +	10% + 20% + 50% 0	10% +	10% + 20% + 50% 0	10% + 20% + 50% 0	20% + 30% + 60% + 80% + konz. + konz. +		Exposure time 90 days
Tetrachlormethan <i>siehe Tetrachlorkohlenstoff</i>	Tetrachloromethane <i>see Carbon tetrachloride</i>										
Zinnchlorid	Tin chloride	-	+		+		+	+	+		
Zinn(II)-chlorid	Tin(II) chloride	SnCl ₂	+		+		+	+	+		
Zinn(IV)-chlorid	Tin(IV) chloride	SnCl ₄	+		+		+	+	+		
Toluol <i>siehe Methylbenzol</i>	Toluene <i>see Methylbenzene</i>										
Fischtran	Train oil	-	+	+	+	+	+	+	+		
Transformatoröl	Transformer oil	-	+	+	+	+	+	+	+	+	
Trichlorethan	Trichloroethane	C ₂ H ₃ Cl ₃	+	-	+		+	+	0	+	
Trichlorethen <i>siehe Trichloroethylen</i>	Trichloroethene <i>see Trichloroethylene</i>										
Trichlorethylphosphat	Trichloroethyl phosphate	C ₆ H ₁₂ Cl ₃ O ₄ P	+	+	+	+	+	+	+		
Trichlorethylen (auch Trichlorethen)	Trichloroethylene (also Trichloroethene)	C ₂ HCl ₃	+	-	+	-	+	+	0	+	
Trichlormethan (siehe Chloroform)	Trichloromethane (see Chloroform)										
Triethanolamin	Triethanolamine	C ₆ H ₁₅ NO ₃	+		+		+	+	+		
Trifluortrichlorethan	Trifluorotrichloroethane	C ₂ Cl ₃ F ₃	+	+	+		+	+		+	
Trioresylphosphat	Triorthocresylphosphate	C ₂₁ H ₂₁ PO ₄	+	+	+		+	+	+		
Kaliumphosphat (auch Trikaliumphosphat)	Tripotassium phosphate (also Potassium phosphate, tribasic)	K ₃ PO ₄	+	+	+	+	+	+	+		
Terpentin	Turpentine	-	+		+		+	+		+	
Terpentinöl	Turpentine oil	-	+	+	+	+	+	+	+	+	
Urin	Urine	-	+	+	+	+	+	+	+		
Gemüsesaft	Vegetable juice	-	+	+	+		+	+	+		
Pflanzenöle, allgemein	Vegetable oil, general	-	+	+	+	+	+	+	+		
Essig	Vinegar	-	+		+		+	+	+		
Abwasser	Waste water	-	+	+	+	+	+	+	+		
Wasser	Water	H ₂ O	+	+	+	+	+	+	+		
Wasser (destilliert)	Water (distilled)	H ₂ O	+	+	+	+	+	+	+		
Wasser (Fluß-, Leitungs-, Meerwasser)	Water (River, tap, sea water)	-	+	+	+	+	+	+	+		
Wein	Wine	-	+	+	+	+	+	+	+		
Weinsäure	Wine acid	C ₄ H ₆ O ₆	+	+	+	+	+	+	+	+	
Xylol	Xylene	C ₈ H ₁₀	+	+	+	+	+	+		+	

Stand: 04.11.2016