

# General **Material Resistance**





# Introduction

The following “Resistance Table” table is intended to facilitate the selection of suitable sensors when using wenglor products. The table has been prepared on the basis of specifications supplied by various raw materials manufacturers. Included values refer exclusively to laboratory tests conducted with the listed raw materials. Chemical resistance of the materials used by wenglor depends upon many factors such as temperature, concentration, design features and the influence of mechanical forces. Even minimal contamination of the respective liquid medium may significantly influence the material’s resistance. Due to the fact that neither all of the operating conditions under which wenglor products are used, nor all of the applications in which they are implemented, can be taken into consideration, the table may only be used for orientation purposes. Unfortunately, we are unable to offer any guarantee with respect to the information included in the table for this reason.

Usual commercial purity and concentrations are assumed for the liquids listed in the following resistance table. As a rule, reduced levels of resistance must be reckoned with for plastics and elastomers at higher temperatures. Please feel free to contact us if you have any doubts about your application.

## Explanation of utilized symbols:

- + Minimal or no impairment of the material
- ° Slight to moderate impairment
- Great impairment to complete destruction
- L Danger of pitting or stress corrosion cracking

# Material Designations

Designation	Brief Description
<b>Metals</b>	
1.4301 per DIN 17440 (V2A stainless steel)	Non-corroding steel
1.4305 per DIN 17440 (V2A stainless steel)	Non-corroding steel
1.4401 per DIN 17440 (V4A stainless steel)	Non-corroding steel
1.4404 per DIN 17440 (V4A stainless steel)	Non-corroding steel
CuZn40Pb5	Brass
Al	Aluminium
<b>Plastics</b>	
NBR	Acrylonitrile-butadiene rubber
PMMA	Polymethyl methacrylate (Plexiglas®)
PC	Polycarbonate
PP	Polycarbonate
PTFE	Polytetrafluoroethylene (Teflon®)
SAN	Styrene acrylonitrile
PS	Polystyrene
PBT	Polybutylene terephthalate
Grivory GV	Partially aromatic polyamide
ABS	Acrylonitrile-butadiene styrene
PA	Polyamide (Nylon®)
PVC	Polyvinyl chloride
PUR	Polyurethane
Vitralit VBB-1	Glue, urethane acrylate base
Silikon	Silicone rubber
EPDM	Ethylene propylene rubber
FPM	Fluorine polymer

Chemical  (Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK			
	Exhaust gases - hydrogen fluoride containing		o	o	o			+	+		+	+						o	+		+											+	+			
Exhaust gases - carbon dioxide containing		o	+	+			+			+	+							+	+													+	+			
Exhaust gases - carbon monoxide containing		+	+	+			+										+			+												+	+			
Exhaust gases - nitrose containing		+	+	+			o			+	+						l	+		+												+	+			
Exhaust gases - hydrochloric acid containing	+L	-	+L	+L			o	+		+	+						l	+		+											+	+				
Exhaust gases - sulfur dioxide containing (dry)	+	+	+	+			o			+	+						o	+		+												+	+			
Exhaust gases - sulfur trioxide containing (dry)		+	+	+			o				+							+		+												+	+			
Exhaust gases - sulfuric acid - (sulfur trioxide, moist)		o	+	+			l			-	+						l	+		+												+	+			
Wastewater		+	+	+			+																								+					
Acetaldehyde		+	+	+	+		l	l	-	o	+	-	-				o	-		-											+	+	o	+		
Acetaldehyde, 40 %							l			o	+	l	l			o																+	+	o	+	
Acetamide							+		-	+	+	+	+			+	+	-		-			+								+	-	+			
Ethyl acetoacetate		+	+	+			l										+			-												-				
Acetone	+	+	+	+	+	+	l	l	-	+	+	-	-	o	o	-	+	-		-											+	+	-	+		
Acetone nitrile							l		-	o	+		o			-	+	-		-												-	o	+		
Acetophenone		+	+	+			l			+	+		+			-	+	-		-												+	+	o	+	
Acetyl acetone		+	+	+			l									o	+	-		-												-				
Acetyl chloride	+L	-	+L	+L			l	l	-	o	+						l			+												-	-	-		
Acetylene		+	+	+			l		+	+	+	o		+			+	+	l	+												+	+	+		
Acetylene tetrachloride																	+	+					+													
Acetylsalicylic acid	+	+	+	+		+				+	+	+	+			+	+															o	-			
Acronal dispersions		+	+	+			l										o			-												+	+			
Acryl nitrile, pure	+	+	+	+		+	l		-	o	+		l				+	l	l	l											o	+	o			
Acrylonitrile		+	+	+	+		l										o																			
Acrylic acid																																				
Acrylic acid ethyl ester		+	+	+			l													-												+	-	-		
Adipic acid		+	+	+	+	+	+		+	+	+		+				+	+	+	+												l	+	+		
Aero Lubriplate			+	+			+																													
Aerosafe 2300			+	+			l																													
Aerosafe 2300 W			+	+			+																													
Aeroshell 17, lubricant			+	+			+																													
Aeroshell 1AC, lubricant			+	+			o																													
Aeroshell 7 A, lubricant			+	+			o																													
Aeroshell 750			+	+			o																													
Storage battery acid, 20%	+	o	+	+		o	o		+	+	+		+		l		l		o	+													+	+		
Alum		o	+	+	l		+	+							o	+	+				+											+	+	+	+	
Albumin, pure		+	+	+			+										+				+												+			
Aliphatic ester																																	+	+		
Alcohol, denatured			+	+			+																													
Allyl alcohol	+	+	+	+		+	o			+	+	-	+	+	o	-	o	+	-	-												-	o	-		
Aluminum acetate	+	+	+	+		+	o			+	+		+				+	+	+	o												-	+	+		
Aluminum ammonium sulfate	+		+	+		+	+			+	+		+				o																+	+		
Aluminum chloride	l	-	o	o	l	-	+	+	+	+	+	+	+			+	o	+		+			+									+	+	+	+	
Aluminum fluoride		-	-	-		+	+			+	+						+	+	+	+												+	+	+		
Aluminum hydroxide	+		+	+			+		+	+	+	+	+	+			+	+	+	+												+	+	+		
Aluminum nitrate	+	+	+	+	o	-	+		+	+	+	+	+	+			+	+	+	+			+									+	+	+		
Aluminum oxide		+	+	+	+	+	+		+	+	+	+	+	+			+	+	+	+												+	+	+		
Aluminum sulfate	o	o	+	+	l	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+								+	+	+	+	+	

Chemical	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK				
Formic acid	+	-	+	+		+	-			+	+	o		+				o	+										+	o			o				
Formic acid, 10%	+		+	+			-	+					+	+															+	+	+						
Formic acid, 10%, 50° C	o		+	+	-		-						o	+																o	o						
Formic acid, 40%	+		+	+				o			+		o			+														+	+	+					
Formic acid, 100° C	-		+	+	-		-					+	+																								
Amines, mixed (e.g. allyl, ethyl, etc.)			+	+			-																														
Aminoacetic acid		+	+	+			o	+	+	+	+						o													+	+						
Ammonia	+	+	+	+	-		o	+	-					o	+	+	+												o	+							
Ammonia, 10%														+	+	+														+	+						
Ammonia, anhydrous																																					
Ammonia, aqueous																																					
Ammonia, 880																																					
Ammonia gas, hot		+	+	+			-																														
Ammonia gas, colt		+	+	+			+																														
Ammonia water		+	+	+			-	+																													
Ammonium							o							+																							
Ammonium acetate, aqueous		+	+	+		+		+	+	+	+	+	+				+	+	+	+																	
Ammonium bromide, 10 %							+							+																							
Ammonium carbonate	+	+	+	+		+	-	o	+	+	+	+	+	+		+	+	+	+	+									o	+	o						
Ammonium chloride	+L	o	+L	+L	-	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+									+	+	+	+	+				
Ammonium citrate, aqueous		+	+	+			+											o																			
Ammonium fluoride, aqueous	+	o	+	+			+	-	+	+								+																			
aqueous		+	+	+			+											o																			
Ammonium formiate, aqueous		+	+	+			+											+																			
Ammonium hydroxide	+	+	+	+	-	+	o		-	+	+	+	+	+				o	+	+																	
Ammonium hydroxide, concentrate																																					
Ammonium nitrate	+	+	+	+		+	+		+	+	+	+	+	+		+	+	+	+	+																	
Ammonium nitrite							+			+	+	+	+	+																							
Ammonium oxalate	+	-	+	+		+	+	+	+	+	+	+	+	+				o	+																		
Ammonium perchlorate		o	+	+										+																							
Ammonium persulfate		o	o	o	-		-			+	+			+																							
Ammonium phosphate		+	+	+			+			+	+			+																							
Ammonium rhodanide		+	+	+			+			+	+			+																							
Ammonium sulfate	+	o	+	+		+	+	+	+	+	+	+	+	+	+	+	o	+	+	+																	
Ammonium sulfide		+	+	+		+	+		-	+	+	+	+	+				+	+	+	+		+														
Ammonium sulfite	+	o	+	+			+							+				+																			
Amyl acetate	+	+	+	+	+	+	-	-	-	o	+	-	o	+	+	+	+	+	+	+	+																
Amyl alcohol	+	+	+	+	+	+	+		+	+	+		+	+	+	+	+	+	o																		
Amyl naphthalene							-							+																							
Amyl borate							+							+																							
Amyl chloride	oL		oL	oL		o	-	-	-	+		-	+	+			+	+	+	+																	
Amyl chloronaphthalene							-							+																							
AN 0-6							+							+																							
AN-0-3 grade M							+							+																							
AN-0-366							+							+																							
Pineapple juice		+	+	+						+	+		+			+	+																				
Anderol L-774 (Diester)							o							+																							
Anderol L-826 (Diester)							o							+																							
Anderol L-829 (Diester)							o							+																							
ANG-25 (diester base)							o							+																							
ANG-25 (glycerin ester)							o							+																							
Aniline	+	+	+	+	-	+	-	-	-	+		-	+	+	o	-	-	-	-	-	-																
Anilin chlorhydrate, aqueous	-	-	-	-	-	-	o			+	+			+																							
Aniline hydrochloride	-L	-L	-L	-L			-						+																								



Chemical	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK						
Bacteria (DIN 53 739)																																							
Barbol B							-																																
Barium chlorate, aqueous		+	+	+			+											-																					
Barium chloride	+L	+	+L	+L	o	+	+			+	+	+	+	+		+	+	+	+	+	+																		
Barium hydroxide	+	+	+	+			+			+	+						o	+	+	+	+																		
Barium salts	+	+	+	+			+									+																							
Barium sulfide		+	+	+			+			+	+						o	+	+	+	+																		
Cotton seed oil	+	+	+	+			+			+	+					+	+	+	+	+	+																		
Bayol 35							+																																
Bayol D							+																																
Pickling solution			+	+			-																																
Benzaldehyde	+		+	+	+	+	-	-	-	+	+	+	-	+	-	-	o	-	-	-																			
Benidine sulfonic acids, aqueous		+	+	+			+														+																		
Gasoline	+	+	+	+	+	+	o	+	o	o	+		-	+		-	+	+	+	+	+																		
Gasoline-benzene spirit		+	+	+	+												o				-																		
Benzoic acid	+	+	+	+	+	+	o	-	+	+	+	+	+	+	o	+	-	+	+	+	+																		
Benzoic acid benzyl ester			+	+			-			+	+						+																						
Benzoic acid ethyl ester					+			-				-	-				-																						
Benzene	+	+	+	+	+	+	-	-	-	o	+		-	+	+	-	+	-	-	-																			
Benzene phenone			+	+			-																																
Benzene sulfonic acid, 10% aqueous		+	+	+		o	-			+	+						-	+	+	+																			
Benzyl alcohol	+	+	+	+	+	+	-	-	-	+	-	-					o	+																					
Benzyl butyl phthalate, aqueous		+	+	+			-											+																					
Bergamot oil		+	+	+			-																																
Succinic acid	+	+	+	+	+	+	+			+	+						o	+	+	+	+																		
Beeswax		+	+	+		+	+			+	+						o				+																		
Beer	+	o	+	+		+	+	+		+	+				+		+	+	+	+	+																		
Beer wort			+	+			+																																
Bitumen (DIN 51 567)		+				+		-		+					+	+	+					+																	
Bitumen, > 100° C							o								o																								
Hydrocyanic acid	+	o	+	+	-	+	o	-	+	+	+	+					-	+	+	+	+																		
Lead acetate	+	+	+	+		-	o	+	+	+	+	+	+			+	+	+	+	+	+	+																	
Bleach																																							
Bleaching liquid			o	o			o																																
Bleaching lye		o	o	o			-														+																		
Bleaching lye (aqueous, 12.5% active chlorine)		-													o	-																							
Lead nitrate	+	+	+	+			+			+	+	+	+		+	+	o				+																		
Lead sulfate			+	+			o			+		+	+			+	+																						
Lead tetraethyl		+	+	+			o											+			+																		
Sugar of lead																																							
Borax		+	+	+	+		o									+	+	+		+	+	+																	
Borofluorohydric acid		-	-	-			+																																
Boric acid, aqueous	+	+	+	+	+	+	+			+	+	+				+	o				o																		
Boric acid, 10%	+	o	+	+		+	+			+	+	+	+	+	+	o		+	+	+																			
Boron trifluoride							o																																
Brandy	+		+	+			+								+	+																							
Brake fluid (polyglycol)																																							
Brake fluids		+	+	+			-	-	+	+	-	o	+	+	+	o	+	+	+	o	o																		
Bromine																																							
Bromine (vapor)							-	o		-	+																												
Bromine (wet)																																							
Bromine (dry)																																							







Chemical  (Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK				
	Decan						+	o										+																			
Denatured alcohol			+	+			+																														
Desmodur T		+	+	+			+																														
Desmophene		+	+	+			+																														
Dextrin, aqueous	+	+	+	+		+	+		+	+	+	+	+				+	+	+					+													
Dextrose, aqueous		+	+	+			+											+			+																
D-glucose																		+																			
Diacetone alcohol		+	+	+			+	+		+							+	o																			
Dibromethane																																					
Dibutyl acetate																																					
Dibutyl phthalate	+	+	+	+			+	+	+		+						+			-	o																
Dibutyl phthalate, 60° C			+	+							+	+																									
Dibutyl sebacate		+	+	+							+						+																				
Dichlorobenzene (p-dichlorobenzene)					+						o	+																									
Dichlorethane	+	-	+	+													o			+																	
Dichlorethylene	+L	+	+L	+L							o	+							o																		
Dichlormethane	+L	+	+L	+L	o	+					o	+																									
Dicyclohexyl ammonium nitrite		+	+	+			+																														
Diesel oil		+	+	+		+	o	+	o	+	+	+	+	o	+	+	+	+	+	o	o																
Diethylen glycol			+	+	+	+	o	+	+	+	+	+	+	+			+	+	o																		
Diethylamine	+		+	+							+	+								o																	
Diethyl ether		+	+	+													+	+		+																	
Diethyl ketone																																					
Diisobutylene	+		+	+	+	+	o				+																										
Diisopropyl ketone			+	+																																	
Diglycol acid	+		+	+		o					+	+																									
Dimethylamine, pure		+	+	+															+	o																	
Dimethylbenzene																																					
Dimethylether			+	+		+																															
Dimethylformamide, pure		+	+	+																																	
Dimethyl phthalate																																					
Dimethyl sulfoxide (DMSO)																																					
Disodium tetraborate																																					
Diocetyl phthalate		+	+	+	+																																
Diocetyl sebacate					+																																
Dioxane	+	+	+	+		+																															
Dioxane, 60° C																																					
Diphenyl sulfone (DPS)																																					
Diphyl (diphenyl, diphenyl ether)		+	+	+																																	
Disulfur dichloride	+	-	+	+																																	
Dissolved acetylene (acetylene + acetone)		+	+	+																																	
Nitrous oxide		+	+	+																																	
Dodecanol			+	+																																	
Dow Chemical ET378			+	+																																	
Dow Corning 1208, 4050, 6620, XF-60			+	+																																	
Dow Corning 3, 4, 11			+	+																																	
Dow Corning 5, 33, 44, 200, 220, 510, 550, 705, 710			+	+																																	
Dow Corning 55			+	+																																	
Dow Guard		+	+	+																																	
Dow-Corning F60 fluid			+	+																																	
Dow-Corning F61 fluid			+	+																																	

Chemical	(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																			
	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK			
Dowtherm 209		+	+	+																																
Dowtherm A		+	+	+																																
Dowtherm E																																				
Dowtherm G		+	+	+																																
Dowtherm™ HT																																				
Dowtherm™ LF																																				
Dowtherm™*																																				
DTE lightweight oil			+	+																																
Fertilizer																																				
Inert gases (argon, helium, neon)		+	o	o																																
Iron(II) nitrate																																				
Iron(II) sulfate																																				
Iron(III) nitrate																																				
Iron(III) oxide																																				
Iron(III) sulfate																																				
Iron gall ink	o	+	+	+																																
Iron (II) chloride			+	+	-	-																														
Iron (III) chloride, neutral, 10%																																				
Iron (III) chloride	-	-	-	-	-	-	+	+	+	+	+	+	+																							
Iron nitrate	+	+	+	+	-	-	+																													
Iron phosphate	+	+	+	+																																
Iron sulfate	+	o	+	+	-	-	+	+	+	+	+	+	+																							
Protein solutions		+	+	+																																
ELCO 28-EP, lubricant			+	+																																
Developer fluids	+		+	+																																
Epoxy resins			+	+																																
Peanut oil			+	+																																
Crude oil, natural gas	+	+	+	+																																
Earth wax																																				
Vinegar	+	+	+	+																																
Acetic acid, 10%	+		+	+	-	+	o	+	+	+	+	+	+	o	-																					
Acetic acid, 20%	+		+	+																																
Acetic acid, 95%	+	-	+	+																																
Acetic acid, max. 3%, 85° C	+	o	+	+																																
Acetic acid, concentrate																																				
Acetic acid, pure	+	-	+	+	-	+	-	-	+	+																										
Acetic acid anhydride	+	o	+	+																																
Acetic acid butylester																																				
Acetic acid isopropyl ester																																				
Acetic acid methyl ester	+		+	+																																
Esso Golden Gasoline			+	+																																
Esso WS2812 (MIL-L-7808A)		+	+	+																																
Esso XP90-EP, lubricant		+	+	+																																
Esso transmission fluid, type A		+	+	+																																
Esso fuel no. 208		+	+	+																																
Esso motor oil		+	+	+																																
Esstic 42, 43																																				
Ethane		+	+	+																																
Ethanol	+	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ethanol, up to 30%	+	+	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ethanolamine, pure		+	+	+	+																															
Ether		+	+	+																																
Ethyl acetate		+	+	+																																



Chemical	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK					
Freon 114B2 (dibrominated tetrafluoromethane)			+	+			o											+														+	o					
Freon 115 (chloropentafluorethane)			+	+			+											+														o	o					
Freon 12 (dichlorodifluoromethane)			+	+			o	-		-	+	o	-				+	+	-																			
Freon 12 + ASTM oil no. 2 (50:50)			+	+			+																								+	-						
Freon 142B (difluorochloroethane)			+	+			o										+														-	o						
Freon MF (F11)			+	+			o																															
Freon TF			+	+			+																															
Freon® 12, dichlorodifluoromethane																																	+	+				
Freon® 134a																																		+	+			
Freon® 22, chlorodifluoromethane																																		+	+			
Freon® 502																																		+	+			
Frigen 113										+				+		-																			+	+		
Frigen 12 B 1		+	+	+			+											+			-																	
Frigen 13		+	+	+			+																															
Frigen 13 B 1 (bromtrifluoromethane)		+	+	+			+											+																				
Frigen 22 (chlorodifluoromethane)		+	+	+			-	o	-	+				-		-		+	-																			
Frigen 23		+	+	+			+																															
Frigen 502		+	+	+			-											+			+																	
Frigen substitute, HCFC 123		+	+	+			-																															
Frigen substitute, HCFC 134a		+	+	+																															+	+		
Antifreeze	+		+	+			+			+	+		+					o															+	+	+			
Fruit juices	+	+	+	+			+	+	+	+	+	+	+		+		+	+	+	o		+											+	+	+			
Fructose	+		+	+			+	+	+	+	+	+	+				+																					
Furaldehyde							-											o																o	-			
Furfural	+				+	+				-					o	-																						
Furfuraldehyde			o	o			-																											+	o	-		
Furfuryl alcohol					o		-			+	+	o					o	+	-	-																		
Fyrquel A60							-								+																		+	o	+			
Tannic acid	+	+	+	+	+	+	o			+	+	+					+	+			+																	
Galvanizing fluid, iron							+								+																							
Galvanizing fluid, cobalt							+								+																							
Galvanizing fluid, nickel		o	+	+			+										+				+																	
Galvanizing fluid, silver							+								o																				-			
Natural gas																																				+	+	
Industrial gas																																				+	+	
Ammonia solution		+	+	+			+			+												o												+	+	+		
Gelatin	+	+	+	+	+	+	+		+	+	+		+				+		+	+														-		+		
Transmission fluid, type A			+	+			+																												+	+	+	
Sodium sulfate		+	+	+			-																													+	+	+
Glucose	+	+	+	+			+	+		+	+	+	+	+				+	+	+	+													+	+	+		
Glycerin	+	+	+	+			+	+	+	o	+	+	+	+	+	+	+	+	+	+			+															
Glycerin acetate							o								+																				+	+		
Glycerol																																				+	+	
Lysine, aqueous		+	+	+			o								+						+													+	+	+		
Glycol, aqueous		+	+	+			+	+										o			+													-		+		
Glycol ethyl ether		+	+	+			-											+			-													+	o			
Glycolic acid, aqueous	+	o	+	+			+	+		+	+							-	+		+												+	+				
Glycerin, pure	+	o	+	+	+	+	o	o		+				+		+	+	+	+	o														-	+			
Trench water, acidic		+	+	+										-				+																				



Chemical	(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																			
	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK			
Gulf Harmony oils			+	+																																
Gulf Legion oils			+	+																																
Gulf Paramount oils			+	+																																
Gulfcrown lubricants			+	+																																
Gulf Endurance oils			+	+																																
Gulf FR fluids (emulsion)			+	+																																
Gulf safety oils			+	+																																
Hair shampoo		+	+	+																	+															
Halowax oil		+	+	+																																
Hannifin Lube A		+	+	+																																
Urine				+																			+													
Uric acid	+		+	+																																
Uric acid, 20 %																																				
Urea, aqueous	+	o	o	o	+	+	+																													
Years		+	+	+		+	+																													
Heating oil																																				
Heating oil, EL (DIN 51 603)	+		+	+	+	+	+																													
Heating oil, lightweight		+	+	+																																
Heating oil, heavy		+	+	+	+																															
Helium	+	+	+	+		+	+																													
Heptane	+	+	o	o		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hexafluorosilicic acid																																				
Hexamethylene tetramine	+	+	+	+																																
Hexane	+		+	+																																
Hexantriol-1, 2, 6																																				
HI-LO MS no. 1			+	+																																
Raspberry essence (flavoring)			+	+																																
Ammonium carbonate	+	+	+	+																																
China wood oil (tung oil)			+	+																																
Honey																																				
Houghto-Safe 271 (water + glycol)		+	+	+																																
Houghto-Safe 620 (water + glycol)		+	+	+																																
Humic acids		+	+	+																																
Hydraulic fluid (water in oil) HSB		+	+	+																																
Hydraulic fluid Organophosphate HSD			+	+																																
Hydraulic fluid Polyglycol-water HSC		+	+	+																																
Hydraulic fluid Water-oil emulsions (HSA)		+	+	+																																
Hydraulic oil	+	+	+	+																																
Hydrazine	+	o	+	+																																
Hydrazine hydrate, aqueous	+																																			
Hydrazine sulfate		-	-	-																																
Hydrobromic acid (100 %)																																				
Hydroquinone	+	+	+	+																																
Hydrochloric acid, 10 %																																				
Hydrochloric acid, concentrate																																				
Hydrocyanic acid																																				
Hydrofluoric acid (40 %)																																				
Hydrolube (water / ethylene glycol)			+	+																																
Hydroxylaminosulfate, aqueous	+	+	+	+																																



Chemical	(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																				
	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK				
Potassium nitrate	+	+	+	+		+	+	+	+	+	+	+				+	+	+	+	o											+	+	+	+			
Potassium nitrite		+	+	+			+										+				+																
Potassium oxalate	+	+	+	+																																	
Potassium perchlorate, aqueous	+		+	+		+	-		+	+	+								+	o																	
Potassium permanganate	+	o	+	+	-	+	-	+	+	+	+	+	+	+		+	+	-	+		+														+		
Potassium peroxide		+	+	+			-														o																
Potassium persulfate	+	+	+	+		-	-		+	+	+	+	+	+		+	-	+	+	+	+																
Potassium phosphate		+	+	+				+													+																
Potassium sulfate	+	+	+	+		+	+			+	+			-	+	+	+				+																
Potassium sulfide	+	+	+	+		o	+			+	+	+	+			+	o	+	+	+	+																
Potassium sulfite	+	o	+	+		+	+			+	+						+			o																	
Lime																	+					+													+		
Calcium bisulfite		-	+	+			+																														
Calcium chloride		-	o	o			+																														
Calcium hydroxide		-	+	+			+																													+	
Calcium hypochloride		-	-	-			o																														
Calcium nitrate									+					+																							
Calcium sulfate		-	+	+			+																														
Calcium sulfite		-	+	+			+																														
Chamomile extract								+								+																					
Creosote		+	+	+			o										+				+																
Carnallite	o	-	-	-																																	
Cheese	+	-	+	+																																+	
Kerosene	+	+	+	+		+	+		-	o	+		-	+			+	+			+															+	
Ketchup																																				+	
Ketone (aliphatic)			-	-																																+	
Keystone lubricant no. 87HX			+	+			+																													+	
Pine needle oil		+	+	+		+	+			+			-	+			+				o															+	
Hydrosilicofluoric acid	o	-	o	o		-	o														+																
Silicic acid																																				+	
Adhesives (not including cyanoacrylates)																																				+	
Neat's-foot oil	+	+	+	+			+			+	+	+	+			+	+				o															+	
Cooking oil																																				+	
Sodium chloride		o	o	o			+	+							+		+				+		+													+	
Carbon dioxide, moist	+	o	+	+		o	+	+	+	+	+	+				+	o	+	+	+	o															+	
Carbon dioxide, dry	+	+	+	+		o	+	+	+	+	+	+				+	+	+	+	+	+															+	
Carbon monoxide		+	+	+			+							o			+				+															+	
Carbonic acid		o	+	+			+														o															+	
Carbon monoxide			+	+			o																													+	
Carbon trachloride	+	+	+	+				-																													+
Hydrocarbons, saturated			+	+			+							+																						+	
Coconut oil / butter	+	+	+	+			+			+	+	+	+	+		+	+	+	+	o																+	
Chloronitrous acid (HCl/HNO3)	-	-	-	-		-	-		-	-	+	o	-			o	-	-	-	o																+	
Fuels: diesel fuel, 85° C					+											+																				+	
Fuels: regular/super fuel	+	+	+	+		+	o		-	o			-	-	+		+																			+	
Chalk	+		+	+		+	+		+	+	+	+	+																							+	
Creosote	+	-	+	+			+			o	+						o			-	o															+	
Cesol	+	+	+	+		+	-	-	-	+	+	o	-	o	-	o	-	o	-	o																	+
Liquid coolants: year around ethylene glycol anti-freeze and water, 1:1, 106° C					+		o							+							+															+	
Cooling lubricants		+	+	+										+																						+	
Copper(I) chloride																																				+	

Chemical	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK			
Copper acetate (blue verdigris)	+	+	+	+		-				+	+			o						+										+	+	+	+			
Copper carbonate																																	+	+	+	
Copper chloride	-	-	-	-L		-	+		+	+	+			+			o	+	+	+												+	+	+	+	
Copper cyanide	+	-	+	+			+			+	+								+	+												+	+	+	+	
Copper fluoride																																		+	+	+
Copper (II) nitrate	+	+	+	+		-	-			+	+			+				+	+	+												+	+	+	+	
Copper (II) sulfate 10 %														+	+																	+	+	+	+	
Copper (II) sulfate	+	o	o	+		-	+	+						-		+	o			+											+	+	+	+		
Copper sulfate																																	+	+	+	
Laughing gas		+	+	+		+	+											+			+		+												+	
Paint	+	+	+	+				-																											+	
Paint solvent			+	+				-						+																					+	
Lactose	+		+	+		+	+		+		+	+	+				+	+	+	+												o	-	+	+	
Lanolin	+		+	+			+	+	+	o	+	+	+		+	+	+	o	o			+														
Lye (xOH)			+	+			o																									-				
Lavender oil			+	+			o								+																+	o	+			
Cod-liver oil		+	+	+		+	+		+	+	+	+	+			+	+	+	+	+		+														
Low-viscosity oil (unrefined benzene)			+	+	+		+																									+				
Wood glue	+	+	+	+		+			+	+									+												+	-	+			
Linseed oil	+	o	+	+	+		+		+	+	+	+	+	+	+	+	+	+	+	o																
Flaxseed oil		+	+	+		+		+	+									+													o	-	+	+	+	
Coal gas	+	+	+	+		+	+	+		+	+		+					+	+	+	+															+
Ligroin (petroleum ether-benzene)	+		+	+		+	+		+	+	+	+	o		+																		+	+		
Liqueur	+	+	+	+		+		+	+	+	+				+			+																		
Linoleic acid		o	+	+			o													+																
Liquimoly		+	+	+			+																										+	+		
Lithium chloride (alcoholic solution)		o	o	o			+										o			+																
Lithium hydroxide							o							+																						
Bay leaf								+				+	+			+																				
Lysoform®	+	+	+	+				-																												
Lysol	+	+	+	+						+				+			-			o															+	+
Magnesium carbonate	+		+	+		+	+		+	+	+	+	+			+	+	+	+			+											+	+	+	
Magnesium chloride	+L	-	+L	+L	-	+	+	+	+	+	+	+	+			+	o	+	+	+																+
Magnesium chloride, nitrate, sulfate, 10%	o		+	+										-	+																			+	+	+
Magnesium hydroxide	+		+	+		+	+		+	+	+	+	+	o				+	+	+																+
Magnesium hydroxide, 10%														+	+																					
Magnesium carbonate	+	+	+	+																														+	+	+
Magnesium sulfate, aqueous	+	-	+	+	-	+	+	+	+	+	+	+	+	+		+	o	+	+	o											+	-	+	+	+	
Corn oil	+	+	+	+		+			+	+	+	+	+	+		+	+			o																
Malein anhydride			+	+				-																												+
Malein acid	+	+	+	+		+	-			+	+							-	+	+	+													+	+	+
Manganese chloride	o	-	o	o			+											+																		+
Manganese chloride, 10%	+L		+L	+L																																+
Manganese sulfate	+	o	+	+		+	+											+			+															+
Machine oil	+		+	+		+	+				+							+					+									+	+	+		
Molasses	+	+	+	+		+	+			+	+							+	+	+																+
Mercaptane		+	+	+			-											+			+													o		
Mersol, mersol sulfonic acids, mersolate		o	o	o			+													+																+
Mesityl oxide							-			+		-	-	+																				o	o	o
Methacrylic acid							-			+	+		+					-																		+





Chemical	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK					
Sodium chlorite, 5 %	-					o				+	+																											
Sodium chromate	+	o	+	+		+	o			+	+	+	+			+				+																		
Sodium cyanide, aqueous		+	+	+		-	+			+	+	+	+					+		+																		
dodecylbenzolsulfonate		+	+	+			+			+	+							+		+																		
Sodium fluoride		-	+	+		+	+			+	+	+	+			+		+	+	+	+		+															
Sodium glutamate		+	+	+			+							+							+																	
Sodium hydrogencarbonate		+	+	+			+											+			+																	
Sodium hydrogenphosphate	+	+	+	+																	+																	
Sodium hydroxide	+	o	o	o		-	-	+	-	+	+	+	+			+	+	+	+	+	+																	
Sodium hypochlorite	oL	-	-	-		-	-	+	o	+	+	+	+	+	-	+	-	+	+	+	+																	
Sodium hypochlorite, 10 %	oL		+L	+L	o	-	-	+		+	+	+	+	+	-	+	-	+	+	+	+																	
Sodium iodide	o	o	o	o		+	+			+	+	+	+	+				+		o																		
Sodium carbonate		+	+	+																																		
Sodium mercaptobenzthiazol		+	+	+			o							+						+																		
Sodium nitrate	+	o	+	+		+	o		+	+	+	+	+	-	+	+	+	+	+	o																		
Sodium nitrate, 10 %									+	+	+	+	+		+																							
Sodium nitrite	+	+	+	+		+	+			+	+	+	+	+						+																		
Sodium nitrite, 5 %										+	+			o	-																							
Sodium pentachlorophenolate		+	+	+			+							+			+			+																		
Sodium perborate	+	+	+	+		+	o			+	+	+	+			+	-	+	o	+																		
Sodium perchlorate	+	-	+	+		+				+	+							+																				
Sodium peroxide	+	-	+	+		-	o			+	+							-	+																			
Sodium peroxide, 10 %	+		+	+		-				+	+																											
Sodium persulfate		o	+	+		-	o			+	+							-	+		+																	
Sodium phosphate	+	o	+	+		+	+			+	+	+	+	+				+	+	+	+																	
Sodium propionate		+	+	+			+													+																		
Sodium pyrosulfite		o	+	+		-	o													+																		
Sodium salicylate	+	+	+	+						+																												
Sodium salts																																						
Sodium silicate	+	+	+	+	+	+	+		+	+		+	+					+	+	+	+																	
Sodium stannate		+	+	+			+													o																		
Sodium sulfate	+	+	+	+	o	+	+	+	+	+	+	+	+	+			+	+	+	+	+																	
Sodium sulfide	+	o	+	+	+	o	+	+	o	+	+	+	+				+	+	+	+	+																	
Sodium sulfite	+	-	+	+		+	+			+	+	+	+				+	+	+	+	+																	
Sodium tartrate		+	+	+			+													+																		
Sodium tetraborate, 20° C and boiling	+																																					
Sodium thiosulfate	+	o	+	+	o	+	o	+		+	+	+	+			+	+	+	+	+	+																	
Sodium thiosulfate, 10 %						+				+	+			+	+																							
Sodium zincate		+	+	+			o																															
Nekal BX, aqueous		+	+	+			+														+																	
Nekaniil®, Nekal® brands (BASF), < 10 %, 50° C		+	+	+																																		
Neon	+		+	+		+	+				+																											
Nickel acetate																																						
Nickel chloride	+L	-	+L	+L		-	+			+	+		+				+	+	+			+																
Nickel nitrate	+	-	+	+		-	+			+	+		+	+						+	+																	
Nickel salts			o	o			+								+																							
Nickel sulfate	+	-	+	+	-	-	+	+	+	+	+	+	+			+	+	+	+	+	+																	
Nitrobenzoic acid		+	+	+			+														+																	
Nitrobenzene, nitrotoluene	+	+	+	+		-	-	+	+	+	+	-	-		o	-	-	-	-	-	-																	
Nitrocellulose paint (alcohol containing, hazard class A I)							-							+																								
Nitromethane, nitropropane						-								+																								
Nitrous gases	+	+	+			-	-	+	+											o																		



Chemical	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK					
Phosphoric acid, 10 %	+	-	+	+		-	o	+		+	+	+	+	+	+	+	+	+																+				
Phosphoric acid, 45 %	+		+	+		-				+	+	+			+		+	+																+				
Phosphoric acid anhydride	o	+	+	+						+	+	+				+	+	+														+	o					
Phosphorous trichloride	+					+	-	-		+	+						-	-	-																			
Phthalanhydride							-							-																		o	o	+				
Phthalic acid																																		+	+			
Picric acid	+	+	+	+		-	+	o		+	+						o	+	-	-												-	-	+	+			
Pinene (oil of turpentine)		+	+	+			o							+		-	+			o											-							
Pine oil			+	+			o							-																								
Pickling lye	o	+	+	+L												+																						
Polyethylene glycol			+	+			o			+				+																								
Polyvenyl acetate emulsion			+	+			+																									+	+	+				
Potash		+	+	+			+								+		o			+																		
Prestone antifreeze			+	+			+																															
Pril®								+								+																						
PRL high-temperature hydraulic oil		+	+	+			o																									o	-	+				
Propane, propene	+	+	+	+		+	o		+	+	+	+	-		+	+	+	+	o	+											+	+	+	+				
Propanol (n-, Iso-)		+	+	+		+	o	o	+	+	+	+	o	+	o	+	+	+	o	+		+											-	-	+			
Propanol (n-, Iso-), > 100°C						-			+	+			+																			-	o	-	+			
Propyl acetate						-		-					+																			-	-	+				
Propylene		+	+			-	+						-																			+	+	+				
Propylene glycol		+	+	+		+	+		+	+	+	+	+		+		-	o		+												-	o	-				
Propylene oxide		+	+	+		-			+	+	+	-	-	+		-	+	o														-	o	o				
Pydraul A150			+	+			-							+			+															-	o	o				
Pydraul A200			+	+			-							+			+															-	+	+				
Pydraul AG			+	+			-										+															-	+	+				
Pydraul F 9			+	+			-										-															-	+	+				
Pyranol transformer oil		+	+	+			+																									-	-	-				
Pyridine	+	o	+	+		+	-	-	o	+	+	-	-	+		-	+	-	-	-															+			
Pyrogallol	+	+	+	+		+			+	+	+	o				+																						
Pyrogard C&D (water and petroleum)			+	+			+																															
Pyrolube		+	+	+			-																									+	+	+				
Quicksilver	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	o	+		+														+		
Mercury(I) chloride																																				+	+	
Mercury(II) chloride																																					+	+
Quicksilver acetate	+	+	+	+																																	+	+
Quicksilver chloride	o	-	o	o		-	+		+	+	+	+	+			+	-	+	+	o																+	+	
Quicksilver cyanide	+	-	+	+		-			+	+									+																			
Quicksilver vapor			+	+			+																															
Quicksilver salts	+	+	+	+			+						+		+					+																		
Rapeseed oil		+	+	+			o									-	+			o																		
Red Line 100 oil			+	+			+																															
Rei®								+								+																						
Cleaning solutions (organic mixtures)			+	+			-																														+	
Cleaning agents, aqueous			+	+			+										+																					
Resorcin							-		+	+		o	+		-	o	-	o															+	o	+			
Castor oil	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o	o																		
RJ-1 (MIL-F-25558)			+	+			+									o	+	+	+	o	o																	
Crude oil			+	+	+		o		+	+	o	o	+				+	+	o																		+	
Rose oil													-	+	+	o																	+					
Red oil			+	+			-																															
RP-1 (MIL-R-25576)			+	+			+						+																									
Rum													-	+	+	+																				+		



Chemical	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK					
Sulfolane (tetramethylene sulfoxide)							o							+																								
Sulfonate (e.g. alkylaryl sulfonate), < 10 %														+																	o		+					
Sulfuryl chloride					+	o	-	+	+	-	+							-	-	-																		
Marsh gas (methane)		+	+	+		+	+		+	+								+			o																	
Superphosphate	+	-	+	+										+																								
Swanfinch Hypoid 90							+							+																	+	o	+					
Tallow	+		+	+			+			+	+				+			+	+	+			+								o	o	+	+				
Tall oil		o	+	+			o											+			+										+	o	+	+				
Tannin	+	o	+	+		+	o		-	+	+	+	+				+	+		+											+	+	+	+				
Tannic acid, 10 % concentrate																																		+	+			
Tea															+		o																	+	+			
Tar (bituminous)	+	+	+	+			-						+	+				+	+	o											o		+	+				
Tar oil		+	+	+	o		+											+		+															+			
Surfactants, free of alkali																		+					+												+			
Turpentine		+	+	+	+		+										o	+			o														+			
Turpentine substitute (mineral spirits)	+	+	+	+		+		o		o	+	+	-	+		+	+			o															+			
Oil of turpentine	+	+	+	+			o	+	-	-	+	o	-	+	+	-	+	+	-																			
Terpineol			+	+			o							+																								
Tertiary butyl alcohol			+	+			o																												+			
Mineral spirits	+	+	+	+	+	+	o				+			+			+	+		o															+			
Tetrachlorethane		+	+	+	+		-	-	o	+	-	-	+			-	o	-	-				+												+			
Carbon tetrachloride	+L	+	+L	+L		+	-	-	-	+	-	-	+		+	-	-	-	-	-	-																	
Perchloromethane		+	+	+			o			-				+			-	-	-	-	-														+			
Tetra-ethyl lead		+	+	+			o		o	+	+						+	+		+															+			
Tetrahydrofuran		+	+	+		+	-	-	-	o	+	-	-	o	+	-	+	-	-	-	-														+	+		
Naphthalene	+	+	+	+		+	-	-	-	-	+		-				+	-	-	-	-														+			
Tetralin®							-	-							+	-	+																					
Texaco 3450 transmission oil							+							o																								
Texaco Capella A & AA							+							-																								
Texaco Meropa 220 no. 3 (lead-free)							+							+																								
Texas 1500 oil							+							+																								
Thioglycol acid		-	+	+		o				+	+																											
Thionyl chloride						o	-	-	-	-	+	-	-																									
Thiophene, pure		+	+	+		o	-	o				-	-																									
Animal oil			+	+			+																													+		
Ink, Indian ink		+	+	+										+	+	+																				-		
Titanium tetrachloride							o																													+		
Toluol	+	+	+	+	+		-	-	-					o	+	-	+																			+		
Toluol sulfone chloramide sodium	o	-	+	+L																																o		
Transformer oil							+	o		+			+			+	+	+																	+	+		
Dextrose (glucose), aqueous		+	+	+			+														+														+			
Fuel oil no. 6							o							+																						-		
Tributyl phosphate		+	+	+			-			+	+			-				+	-	-	-														o	-		
Trichloroacetic acid	oL	-	+L	+L		+	-	-	-	+	+										+															o		
Trichloroacetic acid, 50%							o							+																						-		
Trichloroethane			+	+	+	-	-	-	-	-		-	-					o	-	-	-															o	+	
Trichloroethylene	+L	+	+L	+L	+	+	-	-	-	-	+		-	o				-	-	-	-															+		
Trichloromethane		+	+	+			-											+																		o		
Trichlorotrifluoroethane							+							-				+																	+	o	+	
Trichlorotrifluoroethane							+							-				+																	o	-	+	+
Triethanolamine		+	+	+			-			+	+	+	+			+	o	o	-	-																+		



Chemical	Mat. no. 1.4301 V2A	Mat. no. 1.4305 V2A	Mat. no. 1.4401 V4A	W.-Nr.:1.4404 V4A	CuZn40Pb3 (brass)	Al	NBR	PMMA	PC	PP	PTFE	SAN	PS	PBT	Grivory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK					
Triethylene glycol					+				+							+	+																					
Trifluoromethylsulfonic acid																																						
Tricresyl phosphate	+	+	+	+		+	-	-	-	+	+	-		+		-	+	-	-	-																		
Trisodium phosphate	+	+	+	+			+			+	+						+																					
Trioctyl phosphate							-			+	+			-			+	-																				
Turbine oil	+		+	+		+	+			+	+			+																								
Turbine oil no. 35							+			+				+																								
Ucon oil 50-HB-280X							o							+																								
Uranium hexafluoride		o	+	+			+											-			+																	
Urine	+	-	+	+			+	+	+	+	+	+	o			+	+	+		+			+															
Vaseline	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+					+															
Vaseline oil	+	+	+	+		+	+		+	+	+	+	+				+		o	o																		
Vinyl acetate		+	+	+			-		-	+	+						+	-	-	-																		
Vinylacetylene							+							-																								
Vinyl chloride, vinyl bromide, vinyl fluoride, 80° C		o	o	o	+		-			-							+				-																	
VV-H-910							-							+																								
Wax, 80° C	+		+	+					+	o	+	+	+	+	+	+	o																			+		
Wagner 21B brake fluid							-							+																								
Detergent (household detergent)	+	+	+	+		+	o		+	+				+		+	+	+	+	+	+	+		+														
Water (river, sea, lake, potable, condensate)	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+														+	
Water (river, sea, lake, potable, condensate), 80° C, chlorinated up to 0.5 mg/l)							-							+																								
Water, distilled	+	o	+	+	+	+	+	+	+	+	+	+	+				+	+	+	+	+	+															+	
Water, sea-water	o	-	-	-	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																
Water, mineral water		o	o	o			+	+						+			+				+																	
Water, heavy		+	+	+			+																															
Water vapor (above 149° C)	+	+	+	+			-							+																								
Water vapor (below 149° C)		+	+	+			-							o																								
Water vapor, 100° C		+	+	+			o																															
Water glass (sodium silicate)	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+																
Hydrogen	+	+	o	o		+	+		+	+	+	+	+				+	+	+	+	-																	
Hydrogen peroxide	+	o	+	+			-		+	+	+	+	+		o		-	+	+	+	+	+																
Hydrogen peroxide, 10 %	+	o	+	+	o		-	+	+	+	+	+	+		o		-	+	+	+	+	+																
Hydrogen peroxide, 2 %	+	+	+	+	o		o		+	+	+	+	+		o		-	+	+	+	+	+																
Hydrogen peroxide, grade 2			+	+			o							-																								
Hydrogen sulfide																																						
Wine	+	+	+	+		+	+	+	+	+	+	+	+		+		+	+	+	+	+	+																
Tartaric acid	+	o	o	o	o		+		+	+		+	+		+		+	-	+	+	+	+																
Tartaric acid, 10 %	+			+			+							+	+																							
Tartar		-	o	o																																		
White oil							+							+		+																						
Wemco C							+							+																								
Whisky	+	-	+	+		+	+		+	+	+					+	+																					
Wolmar salts							+							+																								
Xenon	+	+	+	+		+	+				+						+																					
Xylol	+	+	+	+	+	+	-	-	-	-	+	-	-	o	+	+	-	-	-	-	-	-	+															
Cinnamon							+	+			+		o			+																						
Zinc (zinc plated metal surfaces), outdoor exposure	-	-	-	-										+																								
Zinc chloride	+L	-	+L	+L	-	o	+		+	+	+	+	+			+	-	+	+	+	+	+																
Zinc cyanide	+	-	+	+										-																								
Zinc sulfate	+	-	+	+	o	o	+	+	+	+	+	+	+	-		+		+	+	+	+	+																

