

# 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	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	Griory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitrali®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi0.5-F25	Inactive	Silicon	EPDM	FPM	PEEK	
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																		
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		+	+							-	+																
Exhaust gases - hydrochloric acid containing	+L	-	+L	+L			o	+		+	+						-	+																
Exhaust gases - sulfur dioxide containing (dry)	+	+	+	+			o		+	+						o	+	+																
Exhaust gases - sulfur trioxide containing (dry)	+	+	+	+			o				+																							
Exhaust gases - sulfuric acid - (sulfur trioxide, moist)	o	+	+	+			-			-	+						-	+																
Wastewater	+	+	+	+			+			-	o	+	-	-	o		o	-	-															
Acetaldehyde	+	+	+	+			-	-	-	o	+	-	-																					
Acetaldehyde, 40 %							-			o	+	-	-	o																				
Acetamide							+		-	+	+	+	+				+	+	-															
Ethyl acetoacetate	+	+	+	+			-																											
Acetone	+	+	+	+	+	+	-	-	-	+	+	-	-	o	o	-	+	-	-															
Acetone nitrile							-			-	o		o																					
Acetophenone	+	+	+	+			-			+	+	+	+																					
Acetyl acetone	+	+	+	+			-							o																				
Acetyl chloride	+L	-	+L	+L			-	-	-	o	+																							
Acetylene	+	+	+	+			-			+	+	+	+	o				+	+	-	+													
Acetylene tetrachloride																																		
Acetylsalicylic acid	+	+	+	+	+	+				+	+	+	+				+	+																
Acronal dispersions	+	+	+	+			-										+	o		-														
Acryl nitrile, pure	+	+	+	+	+	-		-	o	+	-							+	-	-	-													
Acrylonitrile	+	+	+	+	+	-								o																				
Acrylic acid																																		
Acrylic acid ethyl ester	+	+	+	+			-																											
Adipic acid	+	+	+	+	+	+	+			+	+	+	+					+	+	+	+													
Aero Lubriplate	+	+	+				+																											
Aerosafe 2300	+	+	+				-																											
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			+	+	+	+				+	-		-	o	+													
Alum	o	+	+	-	+	+										o	+	+																
Albumin, pure	+	+	+	+			+																											
Aliphatic ester																																		
Alcohol, denatured	+	+					+																											
Allyl alcohol	+	+	+	+	+	o			+	+	-	+	+	o	-	o	+	-	-															
Aluminum acetate	+	+	+	+	+	o			+	+	+	+	+																					
Aluminum ammonium sulfate	+	+	+	+	+	+	+			+	+	+	+							o														
Aluminum chloride	-	-	o	o	-	-	+	+	+	+	+	+	+					+	o	+	+	+												
Aluminum fluoride	-	-	-	-	+	+				+	+																							
Aluminum hydroxide	+	+	+	+	+	+			+	+	+	+	+	+																				
Aluminum nitrate	+	+	+	+	o	-	+		+	+	+	+	+																					
Aluminum oxide		+	+	+	+	+	+		+	+	+	+	+																					
Aluminum sulfate	o	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	Griboy®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitrali®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	Silicon	EPDM	FPM	PEEK
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																														
Formic acid	+	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Formic acid, 10%	+	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Formic acid, 10%, 50° C	o	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Formic acid, 40%	+	-	+	+	-	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Formic acid, 100° C	-	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Amines, mixed (e.g. allyl, ethyl, etc.)																														
Aminoacetic acid																														
Ammonia	+	+	+	+	-	o	+	-				o	+												o	+				
Ammonia, 10%																														
Ammonia, anhydrous																														
Ammonia, aqueous																														
Ammonia, 880																														
Ammonia gas, hot	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ammonia gas, colt	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ammonia water	+	+	+	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ammonium																														
Ammonium acetate, aqueous	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+			
Ammonium bromide, 10 %																														
Ammonium carbonate	+	+	+	+	+	-	-	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o	+	o			
Ammonium chloride	+L	o	+L	+L	-	o	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Ammonium citrate, aqueous																														
Ammonium fluoride, aqueous	+	o	+	+	-	+	-	+	+	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
aqueous																														
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o	+				
Ammonium phosphate	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	o			
Ammonium rhodanide	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ammonium sulfate	+	o	+	+	-	+	+	+	+	+	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+	+			
Ammonium sulfide																														
Ammonium sulfite	+	o	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Amyl acetate	+	+	+	+	+	+	-	-	-	o	+	-	o	+	+	-	+	-	-	-	-	-	-	-	o	o	-			
Amyl alcohol	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o	o	o	o	o	-	-			
Amyl naphthalene																														
Amyl borate																													-	
Amyl chloride	oL	oL	oL	o	-	-	-	+	-	+	-	+	-	+	+	-	-	-	-	-	-	-	-	o	-	+				
Amyl chloronaphthalene																														
AN 0-6																														
AN-0-3 grade M																														
AN-0-366																														
Pineapple juice	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Anderol L-774 (Diester)																														
Anderol L-826 (Diester)																														
Anderol L-829 (Diester)																														
ANG-25 (diester base)																														
ANG-25 (glycerin ester)																														
Aniline	+	+	+	+	-	+	-	-	-	+	-	+	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Anilin hydrate, aqueous	-	-	-	-	-	-	o	-	-	+	+	-	-	-	-	-	o	-	-	-	-	-	-	-	o	+				
Aniline hydrochloride	-L	-L	-L	-L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	Griory®	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		
Aniline oil	+	+	+	+	-	+	-	-	-	-	-	-	-	-	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Anise																																			
Anisol	+	+	+	+	+	-	-	-	o	+	+	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Anon (cyclohexanone)	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Ansul ether 161.181																																			
Anthracene oil	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Anthraquinone sulfonic acid, aqueous	o	o	o	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Antifrogen-N	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Antimony chloride, aqueous	-	-	-	-	-	o	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o	+	+	+	-	-				
Antimony trioxide																																			
Antimony trioxide																																			
AN-VV-0-366B hydraulic																																			
Apple juice, apple sauce	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Malic acid	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Apple wine	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Apricot juice	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Aqua regia (regal water or king's water)																																			
Arabic acid	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Argon	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Arochlor 1248																																			
Arochlor 1254																																			
Arochlor 1260																																			
Aromatic solvents																																			
Arsenous acid	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Arsenic acid	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Arsenic trichloride	o	o	o	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Aryl silicate, aqueous	+	+	+	+	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Ascorbic acid, aqueous					+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Askarel transformer oil	+	+	+	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Aspargin acid, aqueous	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Asphalt	+	+	+	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Aspirin																																			
ASTM fuel A	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ASTM fuel B	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ASTM fuel C	+	+	+	+	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ASTM fuel D					o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ASTM oil no. 1	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ASTM oil no. 2	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ASTM oil no. 3	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ASTM oil no. 4					+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ASTM oil no. 5	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ether	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Essential oils	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ethanol (spirit of wine)	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ethyl ether	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ethyl chloride	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ethyl glycol	-	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ATL-857						o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Atlantic Dominion F	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Atlantic Ulro transmission E	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Calcium oxide	o	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Aurex 803R, Mobil					+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Automatic transmission fluid	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

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	SAE	PS	PBT	Griory®	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	EPPDM	FPM	PEEK
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																	
Bacteria (DIN 53 739)							-								+																		
Barbol B															+																		
Barium chloride, 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	-	-	-	o	-	-	-	o	+	+	+	+				
Benzidine sulfonic acids, aqueous																																	
Gasoline	+	+	+	+	+	+	o	+	o	o	+	-	+	-	+	-	+	+	+	+	o	+	-	+	+	+	+	+	+				
Gasoline-benzene spirit	+	+	+	+																	o	-											
Benzoic acid	+	+	+	+	+	+	o	-	-	+	+	+	+	+	o	+	-	+	+	+	o	+	-	o	+	+	+	+	+				
Benzoic acid benzyl ester		+	+				-			+	+					+					+												
Benzoic acid ethyl ester							+			-						-				-													
Benzene	+	+	+	+	+	+	-	-	-	o	+	-	+	+	-	+	-	+	-	-	o	-	-	-	-	o	+	+	+				
Benzene phenone																																	
Benzene sulfonic acid, 10% aqueous		+	+																														
Benzyl alcohol	+	+	+	+	+	+	-	-	-	+	-	-	-	-	-	-	o	+								+	o	+	+	+			
Benzyl butyl phthalate, aqueous		+	+	+																													
Bergamot oil		+	+	+																													
Succinic acid	+	+	+	+			+	+										o	+	+	+					o	+	+	+	+			
Beeswax		+	+	+			+	+										o	+	+													
Beer	+	o	+	+			+	+	+									+	+	+	+					+	+	+	+	+			
Beer wort			+	+																													
Bitumen (DIN 51 567)	+						+	-	-	+								+					+			o	-	+					
Bitumen, > 100° C									o									o															
Hydrocyanic acid	+	o	+	+	-	+	o	-	+	+	+							-	+	+	+				o	o	+						
Lead acetate	+	+	+	+	-	o		+	+	+	+	+					+	+	+	+	+				+	+	+	+	+				
Bleach																																	
Bleaching liquid		o	o	o			o																										
Bleaching lye	o	o	o	o	-																												
Bleaching lye (aqueous, 12.5% active chlorine)	-															o	-											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	o	o	o	o	-	+	-	+				
Bromine																																	
Bromine (vapor)							-	o	-	+						-	-	-	-								-	+					
Bromine (wet)																																	
Bromine (dry)																																	

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	Griory®	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										
Bromine, water-free	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
Bromobenzene		+ +				+ -			-	-	+ +		-	-	+ +		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
Bromochlorodifluoromethane							-																																				
Bromine water	-	-	-	-	-	-	-	-	-	-	+ +	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
Bromine water, saturated																																											
Hydrobromic acid	-	-	-	-	-	-	-	-	-	-	+ +	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
Butadiene	+ + +	+ -				+ -			-	-	+ +	-	-	-	+ +	-	+ +	+ 0	+ +	+ 0	+ +	+ +	-	-	-	-	-	-	-	-	-	-											
Butane	+ + +	+ +				+ +			+ +	+ +	+ +	-	+ +	-	+ +	+ +	+ +	+ 0	+ +	+ 0	-	-	-	-	-	-	-	-	-	-	-	-											
Butane, 2, 3-dimethyl		+ +				+ +																																					
Butane diol	+ + +					+ +																																					
Butanol	+ + + +	+ +	-			+ + -	-		+ + +	+ + +	+ + +	+ + +	+ + +	+ 0		+ + +	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Butynediol	+ o o	o				o																																					
Butoxyl	+ + +					+ +																																					
Butter, buttermilk	+ + + +					+ +			+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +											
Butyric acid	+ o + + o +	-				-			-	-	+ +	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Butyric acid, 20%																		+ o																									
Butyl acetate	+ + + +					- - -													o +	- +	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Butyl acrylate	+ + + +					+ -			-	-	o +	-	-	-	o +		+ + -																										
Butylamine	+ + +					-			+ +																																		
Butylene	+ + +					o																																					
Butyl glycol	+ + +					o																																					
Butyl mercaptan	+ + +					-																																					
Butyl phthalate	+ + +					-																																					
Butyl stearate	+ + +					o																																					
Butyl raldehyde	+ + +					-																																					
Calcium bicarbonate																																											
Calcium bisulfite, aqueous	+ o + +					o			+ +										-	-	+ +																						
Calcium carbonate	+ + + +					+ +			+ + +				+ + +						+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +	+ + +									
Calcium chloride, aqueous	+L o +L +L -					o + + + +			+ + + +				+ + + +					+ o + + o + o																									
Calcium hydroxide	+ + + + -	o +				-			-	+ +			+ +					+ + + +																									
Calcium hypochlorite and chlorinated lime	o - o o					- - + o			+ + + +				+ + + +					+ - + o o																									
Calcium nitrate	+ o + +					+ +			+ + +				+ + +					+ + +																									
Calcium phosphate	+ + + +					+ +			+ + +				+ + +					+ + +																									
Camphor (alcoholic solution), 50%																																											
Camphor	+ + + +					+ -			+ + +				+ + +					+ + +																									
Camphor (alcohol solution), 50 %																																											
Camphor oil, pure	+ + +					+			-									+ - - +																									
Carbolineum (tar oil)	+ + +					o			+ +				+ + +					+ + +																									
carbolic acid (phenol)	+ + +					o												-	-	+ +																							
Carboxylic acid																																											
Caro's acid, aqueous	- - -					-												-	-	+ +																							
Cellosolve	+ + +					-												- + -	-	-	-																						
Cellulose lacquers	+ + +					-												+ + -	-	-	-																						
Cellulube A60	+ + +					-																																					
Cellutherm 2505A	+ + +					o																																					
Cetan (hexadecan)	+ + +					-																																					
Cetyl alcohol	+ + +					+ +			+ + +				+ + +					+ - +	o																								
Quinine sulfate	+ + + +																																										
Chlophene																																											
Chlorine, moist	-L -L -L -L -					-			-	+ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Chlorine, dry	+ - + + +					-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Chloral hydrate	o o o 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	Griory®	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														
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																															
Chlorobenzene	+	o	+	+		+	-			o	+						-	-	-	-																											
Chlorine bleaching liquid		o	o	o				o																																							
Chlorobromine methane			+	+			-																																								
Chlorobutadiene			+	+			-																																								
Chlorodifluoromethane, chlorodifluoroethane					+		-	o	-	+		-	+				+	+	-																												
Chlorine dioxide	o	o	o	o	o	o	-				+						-										o	-	o																		
Chloroacetic acid	-	o	-	-	-	-	-	o	+	+	o	+	-	-	o	-	-	-	o	-	-	-	o				-	o	-	+																	
Chloroethane	+L	+L	+L				-		-	o	+	-																																			
Chloroethanol, pure	+L	+	+L	+L			-		-	-	+																																				
Chlorine gas	+	+	+				-		-	-	+	-																				o	+														
Chlorine gas, < 5%, gaseous	-												o																																		
Chlorinated lime	+L		+L	+L			-	-		+		+					-											o	+	+																	
Chloromethane, pure	+L	+	+L	+L			-			-	+	-																																			
Chloronaphthalene	+	+	+	+			-																																								
Chloroform	+	+	+	+	+		-	-	-	-	+	-					-	-	-	-	-										-	o	+														
Chlorophenol	+	+	+				-	-															o																								
Chloromethylphenoxyacetic acid		+	+	+			+																											+													
Chloric acid	-	-	-	-	-		-																											+	-												
Chlorosulfuric acid	-	-	+L	+L	-		-		-	-	+	-					-	-	o	-	o					o	-	-	-																		
Chlorotoluene	+		+	+			-		-		+																																				
Chlorine water	+L	-	+L	+L	-	-	-	o	-	o	+	o	-			o	-	o	o	-						o	o	o																			
Hydrochloric acid gas	+L	-	+L	+L	-		-			+	+						-	-	-	+														+	+	+											
Chlorxylenol, pure	+	+	+				-																o																								
Choline chloride, aqueous							+																o																								
Chrome alum (sodium chrome alum)	+	-	+	+			o		+	+	+						o	+	o																+	+											
Chrome oxide			+	+			-																																								
Chromic acid	+	-	-	-			-	-	o	o	o	o					o	-	+	+	+																										
Chromic acid, 10 %	+	+	+	-	+	-	-	+	+	+	+	+	+	o	-												o	o	+																		
Chromic acid, concentrate																																															
Chromium-sulfuric acid	+	+	+	+			-	-	-	-	+	-	-	-	-	-	o	-	-	-	-																										
Chrome sulfate	+	+	+																																												
Chrome sulfate, aqueous	+	o	o	o			+																o		+																						
Circo, lightweight process oil		+	+				+																																								
Citral, pure		+	+	+			-																																								
City-Service 65, 120, 250		+	+				+																																								
City-Service Kool-Motorenöl no. 140			+	+			+																																								
City-Service Pacemaker no. 2		+	+				+																																								
Clophen® A 60 / petroleum ether (1:1)		+	+	+			+																																			-	o				
Coca-Cola			+	+			-																																								
Crotonaldehyde	+		+	+			+	-			+	+																															+	o			
Cumene	+		+	+			+	-		-	o																																				
Potassium cyanide, aqueous	+	+	+				+																																					+	+	+	
Hydrogen cyanide	+	+	+	+																																									+	+	
Cyclanone		+	+	+			o	+			+	+																																+	+		
Cyclohexan, cycloheptan	+	+	+	+			+	o	o	o	o	o	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									
Cyclohexanol (and ester)	+	+	+	+			+	o	-	o	+	+	+	o	+	+	-	+	+	+	+	+	+	+	+	+	+	-	o																		
Cyclohexanone	+	+	+	+			+	-	-	+	+	-	-	+	+	-	+	+	-	+	+	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o	+	+						
Cymene, pure	+	+	+	+			+	-	-																																				-	+	
Steam																																															
Decahydronaphthalene, pure		+	+	+			+	-	-	o	+	o	-																															-	+		
Decalin®								o										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	Griory®	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	EPPDM	FPM	PEEK
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																	
Decan						+	o																										
Denatured alcohol		+	+				+																										
Desmodur T	+	+	+	+		-																											
Desmophene	+	+	+	+		+																											
Dextrin, aqueous	+	+	+	+		+	+	+	+	+	+	+	+	+			+	+	+	+	+												
Dextrose, aqueous	+	+	+	+		+												+	+	+	+												
D-glucose																																	
Diacetone alcohol	+	+	+			-	-		+	-						-	o																
Dibromethane																																	
Diethyl acetate																																	
Diethyl phthalate	+	+	+	+		-	-	-	+		-	+	+	+		+		-	o														
Diethyl phthalate, 60° C		+	+			-			+	+		o																					
Diethyl sebacate	+	+	+			-			+		-	-				+		-	-														
Dichlorobenzene (p-dichlorobenzene)					+	-	-	-	o	+	-	-	-	-	-	-	+	-	-														
Dichlorethane	+	-	+	+		-	-	-				o	+	-			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		+	+		+	-			-	+		-	+			+	o	-															
Dimethylformamide, pure	+	+	+			-			+	+	-		+	o	-	+	o	-															
Dimethyl phthalate																																	
Dimethyl sulfoxide (DMSO)						-	+		+	+		o	-																				
Disodium tetraborate																																	
Diocyl phthalate	+	+	+	+		-	-	-				+	+			+																	
Diocyl sebacate						+	-	o																									
Dioxane	+	+	+	+		+	-	-	o	+	-	-	+	+	-	+	o	-	-														
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	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	GriTory®	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	EPPDM	FPM	PEEK
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																	
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					+	+	-	-	+	+	+	+	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+	+	+			
Iron (III) chloride, neutral, 10%																																	
Iron (III) chloride	-	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+	+	o	+			
Iron nitrate	+	+	+	+	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Iron phosphate	+	+	+	+	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Iron sulfate	+	o	+	+	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Protein solutions	+	+	+	+	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
ELCO 28-EP, lubricant																																	
Developer fluids	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Epoxy resins																																	
Peanut oil																																	
Crude oil, natural gas	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+	o	-	-	-	-	-	-	-	-	-	-	-	-	-			
Earth wax																																	
Vinegar	+	+	+	+	+	-	-	-	+	+	+	+	+	+	+	+	o	-	+	o	+	-	-	-	-	-	-	-	-	-			
Acetic acid, 10%	+	+	+	+	-	-	-	-	o	+	+	+	+	+	+	+	o	-	-	+	+	o	-	-	-	-	-	-	-	-			
Acetic acid, 20%	+	+	+	+	+	-	-	-	o	+	+	+	+	+	+	+	+	+	+	+	o	o	-	-	-	-	-	-	-	-			
Acetic acid, 95%	+	-	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Acetic acid, max. 3%, 85° C	+	o	+	+	o	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Acetic acid, concentrate																																	
Acetic acid, pure	+	-	+	+	-	-	-	-	+	+	+	+	+	+	+	+	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o		
Acetic acid anhydride	+	o	+	+	-	-	-	-	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	+	+	+	+	+	+	+	+	-	+	+	+	+	+	+	+	-	+	+	+	+	+	+	+	o	o	o	o	o	o			
Ethanol, up to 30%	+	+	+	+	+	o	o	o	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Ethanolamine, pure	+	+	+	+	-	-	-	-	+	+	+	+	+	+	+	+	-	+	+	+	o	o	o	o	o	o	o	o	o				
Ether	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+			
Ethyl acetate	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	o	o	o	o	o	o	o	o	o	o	o	o	o	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	PS	PBT	Griory®	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	EPPDM	FPM	PEEK									
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																									
Ethyl acrylate							-																																		
Ethyl alcohol, fermentation mash		+	+	+	+		+																																		
Ethyl alcohol, denatured	+	+	+	+		o																																			
Ethyl alcohol + acetic acid	+	+	+			o																																			
Ethyl gasoline	+	+	+			-	-	o	+	-	-				-	+	-	-	-																						
Ethyl bromide, water-free	+	+	+			-	-																																		
Ethylene	+	+	+			o										+	+	+	+																						
Ethylchlorhydrin	+	+	+			-										o		-																							
Ethylene chloride	+L	+L	+L			+	-		-	+	-				o	-	-												o	o											
Ethylene diamin	o	+	+			+	o			+	+				o	o	-	-										+	+	-											
Ethylene glycol	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o	+	o	+									+	+	+	o										
Ethylene glycol, 50 % concentrate																															+	+									
Ethylene glycol dinitrate																																+	+								
Ethylene oxide	+	+	+			+	-	o	o		-	+			o	o	-	-											-	-	+										
Ethyl ether	+	+	+	+	+	-			-	-	+	-	-	+	+	-	-	-											-	-	-										
Ethyl formate	+	+	+			-										+		-												o											
Dyehouse wetting agent	+	+	+			+																										+									
Paint thinner, Duco		+	+			-																																			
Ferripotassium cyanide	+	+	+	+		+	+										+	+	+	+												+	+								
Ferropotassium cyanide	+		+	+														+	+													+	o	+							
Fatty alcohols	o	+	+			+											+	+	+	+											o	+									
Fatty alcohol sulfates	+	+	+	+		o	+										o	+	+	+										-	-	+									
Fats, oils	+	+	+	+		o	+										+	+	o	o	o	o	+						o	o	+										
Fatty acids	+	-	+	+	-	o											+		+											-		+									
Varnishes	+	+	+			o												+		+																					
Meat	+						+																									-	-	+							
Avgas, JP6 (MIL-J-25656)							+										o														-	-	o	+							
Aircraft hydraulic fluid																																		+	+						
Fluorine							-	-	-	+	-	-	-	-	-	-	+	o													-	-	-								
Fluorine, moist, pure	o	o	o																													-	o								
Fluorine, dry, pure	+	+	+			-																											-	-							
Fluoroboric acid	-	-	-			+													+												o	+	+								
Fluorosilicic acid						-	o																																		
Fluorlube (fluorine containing lubricant)						+	+																													-					
Hydrogen fluoride	o	-	-	-	-	-	-	-	-	+							-	-	-	-											-	-	o								
Hydrofluoric acid	-	-	-	-	-	-	-	-	-	+	+	o					-		o											o	-	o									
Hydrofluoric acid, 10 %						-	-	-	+		+	+					+		+												+	+	o								
Formaldehyde	+	+	+	o	+	o												+	+	+	+										o	-	+								
Formaldehyde, 40 %	+		+	+	+	+	+											-		o												+	o								
Formaldehyde solution, 30 %	+	+	+	+	+					+	+	+					+	+	+	o										o	o										
Formalin																																				+	+				
Formamide	+	-	+	+		+	-			+	+					o		o	-	-	+									-	o	+									
Photo developers	+	+	+	+		+	+			+	+						+		-	+	+	+												+	+						
Photo fixing baths	+	+	+			+	+			+	+						+		+	+	+													-	+						
Freon																																									
11(trichlorofluoromethane)																																					-	o	+		
Freon 112 (difluorotrichloroethane)																																					-	o			
Freon 113 (arklene)																																							+	+	
Freon 113 (trichlorotrifluoroethane)	+	+	+			+													o	+	-																				
Freon 113 + aniline oil																																							+	o	
Freon 114 (dichlorotetrafluoroethane)																			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	Griory®	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	FFPM	PEEK		
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																			
Freon 114B2 (dibrominated tetrafluoromethane)		+	+	+			o																												
Freon 115 (chloropentafluoroethane)		+	+				+																												
Freon 12 (dichlorodifluoromethane)		+	+				o	-		-	+	o	-					+	+	-															
Freon 12 + ASTM oil no. 2 (50:50)		+	+				+																												
Freon 142B (difluorochloroethane)		+	+				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 (bromotrifluoromethane)	+	+	+				+																												
Frigen 22 (chlorodifluoromethane)	+	+	+				-	o	-	+							-	-	+	-															
Frigen 23	+	+	+				+																												
Frigen 502	+	+	+				-																												
Frigen substitute, HCFC 123	+	+	+				-																												
Frigen substitute, HCFC 134a	+	+	+																																
Antifreeze	+	+	+				+			+	+	+	+				o																		
Fruit juices	+	+	+				+	+	+	+	+	+	+	+	+	+	+	+	+	+	o	+													
Fructose	+	+	+				+	+	+	+	+	+	+	+	+	+	+	+	+	+															
Furaldehyde							-														o														
Furfural	+						+	+		-							o	-																	
Furfuraldehyde		o	o				-																												
Furfuryl alcohol		o					-			+	+	o					o	+	-	-															
Fyрquel A60							-										+																		
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	+	+	+	+			-												+	-															
Glycolic acid, aqueous	+	o	+	+			+	+		+	+	+	+	+	+	+	+	-	+	+															
Glycerin, pure	+	o	+	+	+	+	+	o	o	+	+	+	+	+	+	+	+	o																	
Trench water, acidic	+	+	+	+													-		+																

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	Griory®	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		
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																			
Gulf Harmony oils																																			
Gulf Legion oils																																			
Gulf Paramount oils																																			
Gulfcrown lubricants																																			
Gulf Endurance oils																																			
Gulf FR fluids (emulsion)																																			
Gulf safety oils																															o				
Hair shampoo	+	+	+				o																												
Halowax oil	+	+	+				-																												
Hannifin Lube A	+	+	+				+																								+				
Urine			+L																												+	+			
Uric acid	+	+	+			-	+		+	+	+																								
Uric acid, 20 %								+		+																					-	+	+		
Urea, aqueous	+	o	o	o	+	+	+	+	+	+	+	+	+																+	+	+	+			
Years	+	+	+	+		+	+		+	+																			o	-	+	+			
Heating oil																															+	+			
Heating oil, EL (DIN 51 603)	+	+	+	+	+	+	+	o	+	+	+	o	+	o	+	+	+	o	+	+	o	o													
Heating oil, lightweight	+	+	+				+																												
Heating oil, heavy	+	+	+	+			-																								+	+	+		
Helium	+	+	+	+			+	+		+	+																			-	-	+			
Heptane	+	+	o	o		+	+	+	+	+	+	+	-	+	+	o	+	+	-	+											+				
Hexafluorosilicic acid								+																									+		
Hexamethylene tetramine	+	+	+	+			+						+	+																-	-	+			
Hexane	+	+	+				+	+	+		+	+	-	+	+	o	+	+	-										+	+	+				
Hexanetriole-1, 2, 6							+			+	+	+	+																	+					
HI-LO MS no. 1		+	+				-																												
Raspberry essence (flavoring)		+	+				-																												
Ammonium carbonate	+	+	+	+																										o	-	+			
China wood oil (tung oil)		+	+			+ o																								+	+				
Honey							+	+	+	+	+	+																							
Houghto-Safe 271 (water + glycol)		+	+	+			+																												
Houghto-Safe 620 (water + glycol)		+	+	+			+																										+		
Humic acids		+	+	+			+																										-		
Hydraulic fluid (water in oil)																																			
HSB		+	+	+			o																										-	+	
Hydraulic fluid																																			+
Organophosphate HSD			+	+			-																												
Hydraulic fluid Polyglycol-water HSC		+	+	+			+																												-
Hydraulic fluid Water-oil emulsions (HSA)		+	+	+			o																												
Hydraulic oil	+	+	+	+			+	+		+	+																			o	+	-			
Hydrazine	+	o	+	+			+	-			+	+																	o	+	+	+			
Hydrazine hydrate, aqueous	+						+	-			+	+																							
Hydrazine sulfate	-	-	-																											o	-	-			
Hydrobromic acid (100 %)																																			
Hydroquinone	+	+	+	+			-			+	+	+	-	+		+	-	+	+																
Hydrochloric acid, 10 %																																			
Hydrochloric acid, concentrate																															o	o			
Hydrocyanic acid																																			
Hydrofluoric acid (40 %)																																			
Hydrolube (water / ethylene glycol)																																			
Hydroxylaminosulfate, aqueous		+	+	+			+																												

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	GriTory®	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
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																	
Hyjet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Preservative oil	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Industron FF53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Isobutanol, pure	+	+	+	+	+	o	o	+	+	o	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o	+	+				
Isobutyric acid	-	-	-	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Isobutyl alcohol	-	+	+	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Isododecan	-	+	+	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Isooctane	+	+	+	+	+	+	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Isopropanol	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o		
Isopropylbenzene	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Isopropyl ether	-	+	+	+	+	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Iodine	+	-	+	+	-	o	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Iodine + potassium iodide, aqueous	-	o	o	o	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Iodoform	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Iodine pentafluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Tincture of iodine	+L	-	+L	+L	+	o	-	o	+	+	o	o	-	o	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-				
Coffee	+	-	+	+	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Cacao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium acetate	+	-	+	+	+	+	o	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium aluminum sulfate, aqueous	+	o	+	+	-	+	o	-	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium bicarbonate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium bichromate	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium bifluoride	-	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium bitartrate	+	-	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium bromide	+L	o	+L	+L	+L	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Potassium carbonate, aqueous	+	+	+	+	-	-	+	+	o	+	+	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+			
Potassium chlorate	+	+	+	+	+	+	-	-	+	+	+	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+			
Potassium chloride	+L	o	+L	+L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o	+	+	+			
Potassium chromate, aqueous	o	o	o	o	-	+	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium chrome sulfate	+	-	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium cyanate	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium cyanide	+	+	+	+	-	o	o	+	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium cyanoferrate (II)	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium cyanoferrate (III)	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium dichromate	+	+	+	+	-	o	-	o	-	+	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+			
Potassium ferricyanide, yellow prussiate of potash	-	-	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium ferricyanide, red prussiate of potash	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium fluoride	+	+	+	+	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
hexacyanoferrate(III) (red prussiate)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium hydrogen carbonate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium hydrogen fluoride	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium hydrogen sulfate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium hydroxide (potash lye)	+	+	+	+	-	o	+	-	+	+	+	+	-	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Potassium hydroxide, 10% concentrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium hydroxide, 70% concentrate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium hypochlorite	oL	-	+L	+L	-	o	-	+	+	o	-	-	+	+	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+			
Potassium iodide	+L	-	+L	+L	-	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	o	-	-	-	-	-	-	-	-	-			
Potassium carbonate	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Potassium copper cyanide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

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	Griory®	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+			
Potassium nitrite		+	+	+	+		+																											
Potassium oxalate	+	+	+	+																														
Potassium perchlorate, aqueous	+		+	+		+	-		+	+	+																							
Potassium permanganate	+	o	+	+	-	+	-	+	+	+	+	+	+	+	+	+	-	+	+	+	+													
Potassium peroxide	+	+	+	+			-																o											
Potassium persulfate	+	+	+	+		-	-		+	+	+	+	+	+	+	+	-	+	+	+	+													
Potassium phosphate	+	+	+	+			+															o												
Potassium sulfate	+	+	+	+		+	+		+	+							-	+	+	+	+													
Potassium sulfide	+	+	+	+		o	+		+	+	+	+	+	+	+	+	o	+	+	+	+													
Potassium sulfite	+	o	+	+		+	+		+	+							+	+	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	o				+	+								+	+	+	+	+													
Carbon dioxide, moist	+	o	+	+		o	+	+	+	+	+	+	+	+	+	+	o	+	+	o														
Carbon dioxide, dry	+	+	+	+		o	+	+		+	+	+	+	+	+	+	+	+	+	+														
Carbon monoxide	+	+	+	+			+									o		+	+	+														
Carbonic acid	o	+	+	+			+									o		o	o															
Carbon monoxide		+	+	+		o																												
Carbon trichloride	+	+	+	+				-																										
Hydrocarbons, saturated			+	+				+																										
Coconut oil / butter	+	+	+	+			+			+	+	+	+	+	+	+	+	+	+	o														
Chloronitrous acid (HCl/HNO <sub>3</sub> )	-	-	-	-		-	-	-	-	+	o	-	-	-	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	-	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	Griory®	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
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																	
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	+	+	+	+		+	+	+		+	+	+						+	+	+													
Lanolin	+	+	+	+			+	+	+	o	+	+	+				+	+	o	o													
Lye (xOH)				+	+		o																										
Lavender oil				+	+		o																										
Cod-liver oil		+	+	+		+	+		+	+	+	+	+				+	+	+	+	+												
Low-viscosity oil (unrefined benzene)				+	+	+	+																										
Wood glue	+	+	+	+			+			+	+																						
Linseed oil	+	o	+	+	+		+		+	+	+	+	+				+	+	+	+	o												
Flaxseed oil		+	+	+			+		+																								
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	+			+	+		+	+		+	+	+	+				+	+	+	+													
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	+	+	+	+		-																											
Mersol, mersol sulfonic acids, mersolate	o	o	o			+																											
Mesityl oxide							-			+	-	-	+				-																
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	Griory®	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	EPPDM	FPM	PEEK					
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																						
Methane	+	+	+	+	+	+	+	+	+	+	+	o	-	-	+	+	+	+	o	o	o	o	o	o	o	o	o	o	o	o								
Methanol	+	+	+	+	+	+	+	o	-	-	+	+	+	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o								
Methoxy butanol	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								
Methyl acetate	o	o	o	o	+	-																																
Methylamine	+	o	+	+	+	+	-	-	-	+	+	+	+	+	+	+	+	+	o	-	o	-	o	-	o	-	o	-	o									
Methyl benzene	+	+	+	+	+	+	-	-	-	o	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Methyl bromide							o																															
Methyl chloride	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	o	-	-	-	-	-	-	-	-	-	o									
Methyl ethyl ketone	+	+	+	+	+	-	-	-	-	+	+	-	-	+	+	+	+	+	o	-	o	-	-	-	-	-	-	o	-	o								
Methyl glycol							-	o	+	+	-	-	-	-	-	-	-	-	o	-	-	-	-	-	-	-	-	o	o	-								
Methyl isobutyl ketone						-													-	+	-	-	-	-	-	-	-	-	-	+	+							
Methylcellulose						o													-											+	o	+						
Lactic acid																			-												+	+						
Milk	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								
Lactic acid, 10° C	-	+	+	+	+														+	+	+									o	+							
Lactic acid, 5 %	+		+	+	+	+	+	+	+	+	+	+	+	+	+	o	+	+	+										o	+								
Lactic acid, 80%	+		+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	o	+	+																		
Lactic acid, 90° C	o	-	o	o	o	-											-	o	o	o									+	+								
Lactic acid, aqueous	+	o	o	o	o	o	+										o	o	o	o	o	o	o	o	o	o	o	o	+	-	+							
Mineral oil	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+									
MLO-7277	+	+	+	+	+	+	-																															
MLO-7557	+	+	+	+	+	-																																
MLO-8200	+	+	+	+	+	o																																
MLO-8515	+	+	+	+	+	o																																
Molasses																															+	+						
Molybdenum disulfide, grease	+	+	+	+	+	+																																
Monobrominated naphthalin							+																								-	-	o					
Monochlorobenzene							-	-																							-	o	o					
Monochloroacetic acid	-	o	o	o	o																																	
Mineral wax																															-	o	o					
Morpholine, pure	+					+	-												+	+	+																	
Engine oil																																		+	+			
Nutmeg								+	-			o	-			o		o													o	-	+					
Naphtha	+		+	+	+	+	+	+	+	+	+	+	o			o		+	+	-									o	-	+							
Naphthalene	+		+	+	+	+	-	o								o	+	+	+	-	-											+						
Naphthene																																		+	+			
Naphthoic acid		+	+	+	o											o																	-	+	+			
Sodium, hot																																						
Sodium acetate	+	+	+	+	+	+	o		+	+	+	+	+	+	+	+	+	+	+	o														+	+	+		
Sodium arsenate/arsenite	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o	+	+	+							
Sodium benzoate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							
Sodium bicarbonate	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							
Sodium bisulfate	+	-	o	o	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							
Sodium bisulfite	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o						
Sodium bisulfite, 10 %																			+	+	+															+	+	
Sodium borate	+		+	+	+	+	o									+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Sodium bromate	+L	o	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L						
Sodium bromide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Sodium bromide, 10 %																			-	+	+	o														+	+	+
Sodium carbonate	+	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Sodium carbonate, 10 %	+					o											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Sodium chloroacetate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Sodium chlorate	+L	-	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L	+L						
Sodium chloride	o	+	+	+	+L	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Sodium chlorite	oL	-	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL	oL

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	GriTory®	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				
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																					
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	+	+	+				+																		+												
Nekanil®, 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	Griory®	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											
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																												
Nitrous acid, 60°, nitrogen content: 4 to 5%	+	+	+	+					-																																			
N-methyl-2-pyrrolidone (NMP)																																												
Novocain	+	+	+	+																									+	+	+													
Fruit pulp	+	-	+	+				+	+	+	+										+																							
Octadecane					o	+																							-	-	+													
Octane (n-octane)	+	+	+	+	+	o	o	+	+	+	+	+	-	o		+	o	o													-													
Octane, octene					+	o										+	+	+														+	+	+										
Octyl alcohol						o						+	o	+															o	-	+													
Oils (petroleum)																																		+	+									
Oils (vegetable)																																												
Oils (vegetable, essential, mineral)	+	+	+	+	+							+	+	o				+	o	o	+								o	-	o	+												
Oils, animal	+	+	+	+	+																																							
Oleum	+	o	+	+	+	-		-	-	-	+	-	o	-		-	-	-	o																									
Oleum jecoris																																												
Olive oil	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o																								
Oleic acid	+		+	+	-	+	o		+	+	+	+	+	+	+	+	+	+	+	+																								
OS45, type 1V							o																																					
OS70							o																																					
Oxalic acid	+	-	+	+	-	+	o	+	+	+	+	+	+	+	+	+	+	-	+	+	+																							
Ozone							+	+	+	-	+	o	+	+	+	-	-	-	+															o										
Ozone, moist and dry	+	+	+	+			-																																					
P3® washing detergent	+	+	+	+				+																																				
Palamoll®, Palatinol® brands (BASF)								+																							o	-	+											
Palmitic acid	+		+	+	-	+	+			o	+	+	+					o	+																									
Dichlorobenzene								-																																				
Paraffin, paraffin oils	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o																						
Pentaerythritol								+																																				
Pentane (n-pentane)	+		+	+	+	+	+		+			+	o	+				+																										
Perchlorethylene	+	+	+	o			-	-	-	-	+	o	-	o	+	o	-	-	-	-	-	+																						
Perchloric acid																																												
Peracetic acid, aqueous, 6%	+	+	+				-																																					
Persil ®	+	+	+	+				+	+																																			
Petroleum	+	+	+	+	+	+	o											o	o	+	+	o	+	+	o	+																		
Benzene, petroleum ether	+	+	+	+	+	+	o	o	o	o	+	+	o	-	o	-	+	o	+	+	o	+	+	o	+																			
Petroleum gas, liquefied	+	+	+	+			+																																					
Petroleum oil (raw)	+	+	+				+																																					
Petroleum oil (raw, above 121° C)	+	+	+				-																																					
Petroleum oil (raw, under 121° C)	+	+	+				+																																					
Peppermint oil																			o	-																								
Vegetable oils	+	+	+	+				+											+																									
Phenol	+	-	+	+	+	+	+	-	-	-	+	+	-	-	-	-	-	-	-	-	o	+																						
Phenol, diluted																																												
Phenylethyl alcohol																																												
Phenylethyl ether																																												
Phosgene, liquid	o	+	+	+															+																									
Phosgene, gaseous	o	+	+	+															o	+																								
Phosphorus chloride	o	o	o				-												+																									
Phosphorus pentoxide																																												
Phosphoric acid	o	-	o	o	-	-	-	-											-	+	-	+	+	o																				
Phosphoric acid, > 80 %	o																		+	+	+	+	+	+																				
Phosphoric acid, 1 %	+		+	+			-	+		+	+	+	+	+	+	+	+	+																										

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	SAW	PS	PBT	Griory®	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						
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																							
Phosphoric acid, 10 %	+	-	+	+		-	o	+		+	+	+	+	+	-		-	+																					
Phosphoric acid, 45 %	+		+	+		-				+	+	+																											
Phosphoric acid anhydride	o	+	+	+						+	+	+																											
Phosphorous trichloride	+					+	-	-		+	+																												
Phthalanhydride	+					-																																	
Phthalic acid																																							
Picric acid	+	+	+	+	-	+	o		+	+							o	+	-	-																			
Pinene (oil of turpentine)	+	+	+			o											+	-	+	o																			
Pine oil			+	+		o											-																						
Pickling lye	o	+	+	L													+																						
Polyethylene glycol			+	+		o			+																														
Polyvinyl acetate emulsion			+	+				+																															
Potash			+	+	+			+										+	o	+																			
Prestone antifreeze			+	+																																			
Pril®								+																															
PRL high-temperature hydraulic oil			+	+	+		o																																
Propane, propene	+	+	+	+		o		+	+	+	+	+	-		+	+	+	+	+	o	+																		
Propanol (n-, Iso-)			+	+	+		o	o	+	+	+	+	o	+	o	+	+	+	o	+	+																		
Propanol (n-, Iso-), > 100°C						-			+	+																													
Propyl acetate						-		-																															
Propylene			+	+		-	+																																
Propylene glycol			+	+	+		+	+		+	+	+	+	+			+	-	o	+																			
Propylene oxide			+	+			-		+	+	+	-	-	+		-	+	o																					
Pydraul A150			+	+			-																																
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																																
Red Line 100 oil			+	+			+																																
Rei®								+																															
Cleaning solutions (organic mixtures)			+	+																																			
Cleaning agents, aqueous			+	+																																			
Resorcin																																							
Castor oil			+	+	+	+	+		+	+	+	+	+	+		o	+	-	o	-	o																		
RJ-1 (MIL-F-25558)			+	+																																			
Crude oil			+	+	+		o		+	+	o	o	+					+	+	o																			
Rose oil																																							
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	Griory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi10.5-F25	Inactive	Silicon	EPDM	FPM	PEEK	
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																		
Saccharine	+	+	+	+	-	+	o		+	+	-	-	-	-	-	+	+	+	+	+	-	o												
Salicylic acid	+	+	+	+	-	+	o		+	+	-	-	-	-	-	-	+	+	+	+	-	o												
Liquid ammonia	+	+	+	+	-	+	+																+											
Nitrous acid, 10 %																																		
Nitric acid	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o												
Nitric acid, up to 20 %	+	+	+	-	-	-	+	o	+	-	-	-	-	-	-	-	+	-	+	+	o													
Nitric acid, max 10 %, 85° C	+	o	+	+	-	-	-	+	+	+	o	-	o	-	-	-	-	-	-	-	-	o												
Nitric acid, 30 % concentrate																																		
Nitric acid, 50 % concentrate																																		
Nitric acid, concentrate																																		
Nitric acid, aqueous, 40 %	+	-	+	+	-	-	-	o	+	-	-	-	-	-	-	-	-	-	-	o	o	-												
Salt																																		
Hydrochloric acid, 10 %	-	-	-	-	-	-	+	+	+	+	+	+	+	o	-	+	-	+	o	+	o													
Hydrochloric acid, 36 %	-	o	-	-	-	-	-	-	+	+	+	o	-	-	-	-	-	-	-	o	-	-												
Hydrochloric acid, concentrated	-	-	-	-	-	-	-	+	-	+	+	+	o	-	-	o	-	+	+	-	-	+												
Salt brine	+	+	+	+	o	+			+	+	+	+	+	o	-	o	-	+	+	o	+	o	-											
Ox <gen></gen>	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-												
Cheese spread	-	+	+	+	-	+	-																											
Lubricant (MIL-L-7808), diester base	+	+	+	o																														
Lubricant H2, highly viscous	+	+	+	+	-	+	-																											
Lubricant U4, highly viscous	+	+	+	+	-	+	-																											
Lubricant, lightweight	+	+	+	+	-	+	-																											
Lubricating oil, grease, synthetic, diester base	+	+	+	+	o	o		o	+	o	+	+	+	+	+	+	+	+	+	+	+	+												
Lubricating oils (crude and refined)	+	+	+	+	o	o	-	+	+	+	+	+	o	-	-	o	-	+	+	+	+	+												
Lubricating oils, diester	+	+	+	+	o																													
Lubricating oils, petroleum	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
Lubricating oils, SAE10,20,30,40,50	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
Lubricating oils, HD, hydraulic oils, transformer oils, < 130° C																																		
Soft soap	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+												
Cutting oil	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+												
Chocolate	+	+	+	+	+	+	+	+	o																									
Sulfur	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	o	o													
Sulfur (liquid, 121° C)	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
Sulfur chloride	+	-	+	+	o	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-												
Sulphur dioxide																																		
Sulfur dioxide (moist)	+	-	o	o	o	o	-	-	+	+	o	-	-	-	-	-	-	-	-	-	-	-												
Sulfur dioxide (liquid)	+	+	+	o	-	-	-	o	-	+	-	-	-	-	-	-	-	-	-	-	-	-												
Sulfur dioxide (dry)	-	o	o	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
Sulfur dioxide (under pressure)	-	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
Sulfur dioxide, < 5%																																		
Sulfur hexafluoride (20 bar)	+	+	+	+	o	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-												
Sulfurous acid																																		
Carbon disulfide	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
Sulfuric acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
Sulfuric acid, 50%	-	-	-	-	-	o	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+												
Sulfuric acid, up to 10 %	+	-	+	+	-	o	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+												
Sulfurous acid, > 40 % concentrate																																		
Sulfuric acid, aqueous, 30 %	+	-	+	+	o	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+												
Sulphur trioxide																																		

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	Griory®	ABS	PA	PVC, hard	PVC, soft	PVC connector cable	PUR connector cable	Vitralit®, VBB1	Epoxy glue	Anodic coating	Electroplated zinc	Electroplated nickel	AlCuMgPb-F37	AlMgSi10.5-F25	Inactive	Silicon	EPDM	FPM	PEEK						
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																							
Sulfolane (tetramethylene sulfoxide)							o																																
Sulfonate (e.g. alkylaryl sulfonate), < 10 %																																							
Sulfuryl chloride							+	o	-	+	+	-	+																										
Marsh gas (methane)							+	+		+	+		+																										
Superphosphate	+	-	+	+																																			
Swanfinch Hypoid 90								+																															
Tallow	+		+	+				+		+	+																												
Tall oil		o	+	+				o																															
Tannin	+	o	+	+			+	o	-	+	+	+	+																										
Tannic acid, 10 % concentrate																																							
Tea																		+	o																				
Tar (bituminous)	+	+	+	+					-									+	+	+	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																																
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																																			
Transformer oil																		+	o																				
Dextrose (glucose), aqueous	+	+	+																																				
Fuel oil no. 6																			o																				
Tributyl phosphate	+	+	+																																				
Trichloroacetic acid	oL	-	+L	+L			+	-	-	-	+	+	-																										
Trichloroacetic acid, 50%																			o																				
Trichloroethane																																							
Trichloroethylene	+L	+	+L	+L			+	-	-	-	+	+	-						o	-	-	-																	
Trichloromethane	+	+	+																																				
Trichlorotrifluoroethane																																							
Trichlorotrifluoroethane																																							
Triethanolamine		+	+	+					-									+	+	+	+																		

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	Griory®	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				
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																					
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				+	+	+	+	+	+	+	+	+	o	+	o	+	o							
Vaseline	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o	+	+	+	+							
Vaseline oil	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																-	+	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	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	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)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o	+	+	+	+						
Hydrogen	+	+	o	o	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o	o	o	o						
Hydrogen peroxide	+	o	+	+	+	-				+	-	+	+	+	+	o	-	+	+	+	+	+	+	+	+	+	+	o	o	o	o	+					
Hydrogen peroxide, 10 %	+	o	+	+	o	-	+	+	+	+	+	+	+	+	+	o	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+						
Hydrogen peroxide, 2 %	+	+	+	+	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o							
Hydrogen peroxide, grade 2	+	+	+	+	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o							
Hydrogen sulfide																																					
Wine	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	o	o	+	+					
Tartaric acid	+	o	o	o	o	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						
Tartaric acid, 10 %	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						
Tartar	-	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o							
White oil							+																														
Wemco C							+																														+
Whisky	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
Wolmar salts																																					+
Xenon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
Xylool	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	o	+	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	+				
Cinnamon																	+	+	+	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Zinc (zinc plated metal surfaces), outdoor exposure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+			
Zinc chloride	+L	-	+L	+L	-	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Zinc cyanide	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Zinc sulfate	+	-	+	+	+	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
(Percentages indicate concentrations of aqueous solutions.) (If a specific temperature has not been entered, room temperature applies: 15 to 35° C)																																	
Tin chloride	-	-	-	-	-	-	+																										
Tin (II) chloride	oL	-L	+L	+L	-	-		+	+	+	+	+	+	+																			
Tin (IV) chloride	-L	-L	oL	oL	-	-			+	+	+	+	+	-																			
Lemon juice	+		+	+			+		+	+	+	+	+	o		+	+	+	+	+													
Citric acid	+	-	+	+	o	+	+	+	+	+	+	+	+	+		+	+	+	+	+													
Citric acid, 10 %	+	+	+	+			+	+	+	+	+	+	+																				
Sugar	+	+	+	+			+		+							+	+	+	+	+													
Sugar cane liqueur							+									+																	
Sugar-beet juice			+	+			+		+	+	+	+	+																				
Onions							+									+																	