



ZEDEX® CHEMICAL RESISTANCE CHEMICAL LIST

Chemicals list

When using the following tables, please note that the corrosion rate, in all given cases, is affected by many factors, as e.g. concentration, temperature, range of movement and the presence of impurities. This guide is generally used to classify materials through their resistance to chemicals, which usually, also contain impurities. The rankings should be viewed as a first approach to check the own requirements.

The tabulated values, resulted from 2 months resistance tests, were obtained with unstressed test pieces (ISO-1 test piece) immersed in various che-

micals. The values for the ZX-410 and ZX-410V7T were determined with a flexural stress of the outer fibre lower than 0.5%. If some agents are not in the tables, or those in the tables have got different concentrations or temperatures, their resistance can be provided on request. In special cases (e.g. mixtures), we provide ISO tensile tested pieces for an immersion tests. After the immersion test, we determine the agent influences on the plastic and evaluate its resistance to your application. ■

ZX-100M1	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5T	ZX-750V5KF
							+	+	+	+				
	+	+	+	+										
	+	+	+	+										
	+	+	+	+										
	+	+	+	+										
	(+)	(+)	(+)	(+)										
							+	+	+	+				
	-	-	-	-										
	+	+	+	+										
	+	+	+	+										
							+	+	+	+				
	+	+	+	+										
	+	+	+	+										
	+	+	+	+										
	+	+	+	+	+	+								
	+	+	+	+										
	+	+	+	+										

Extract from "Chemicals list"

Interpretation of the table

+ **Resistant**

not affected by, without or very little weight change (<1 %). Changes in mechanical properties less than 10 %.

(+) **Limited resistant**

after a certain time, considerable reduction of the mechanical properties (10 %–50 %), weight change from 1 % up to 5 %, short contact with the chemicals can be considered, in many cases, acceptable.

- **Not resistant**

Weight change >5 % and/or reduction of the mechanical properties more than 50 %.

x **Soluble**

Material dissolves or decomposes

Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
1,1,1-trichloroethane G Halogenated hydrocarbons					+	+	+	+											
1,1,1-trichloroethane G Halogenated hydrocarbons									-	-									
1,1,2,2-tetrachloroethane G Halogenated hydrocarbons					(+)	(+)	(+)	(+)											
1,1,2-trichloro-1,2,2-trifluoroethane G Halogenated hydrocarbons					+	+	+	+											
1,1-dichloroethylene G Halogenated hydrocarbons					+	+	+	+											
1,2,3,4-tetrahydronaphthalene G Aromatic hydrocarbons					+	+	+	+											
1,2-dichloroethane G Halogenated hydrocarbons			-	-	+	+	+	+											
1,2-dichloroethane G Halogenated hydrocarbons											+	+	+	+					
1,3-butanediol G Alcohols / glycols					+	+	+	+											
1,4-dioxane G Ether		+	+		+	+	+	+										+	+
1,4-dioxane G Ether											+	+	+	+	+	+			
1-butanol G Alcohols / glycols			(+)	(+)	+	+	+	+	+	+									
1-butanol G Alcohols / glycols											+	+	+	+					
1-butylamine G Amines					+	+	+	+											
1-butylamine G Amines											(+)	(+)	(+)	(+)	+	+			
1-chloro1,1-difluoroethane G Halogenated hydrocarbons					+	+	+	+											
1-hexanol G Alcohols / glycols					+	+	+	+	+	+									
1-propanol G Alcohols / glycols									+	+									
2,2,2-trichloroethanol G Alcohols / glycols					+	+	+	+											
2,2,2-trifluoroethanol G Alcohols / glycols					+	+	+	+											
2-chloroethanol G Alcohols / glycols					+	+	+	+											
2-pentanol G Alcohols					+	+	+	+											
2-pentanol G Alcohols											+	+	+	+	+	+			
acetaldehyde G Aldehydes / ketones					+	+	+	+											
acetaldehyde G Aldehydes / ketones					+	+	+	+	-	-									
acetaldehyde G Aldehydes / ketones											+	+	+	+	+	+			

G Group + Resistant (+) Limited resistant - Not resistant x Soluble

Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
acetamide G Amides					+	+	+	+											
acetic acid G Organic acids	+	(+)			+	+	+	+	+	+								+	+
acetic acid G Organic acids			+	+	+	+	+	+	+	+								+	+
acetic acid G Organic acids					+	+	+	+	+	+									
acetic acid G Organic acids					+	+	+	+											
acetic acid G Organic acids					+	+	+	+											
acetic acid G Organic acids									+	+									
acetic acid G Organic acids					+	+	+	+	-	-									
acetic acid G Organic acids	x	x	(+)	(+)	+	+	+	+											
acetic acid																		(+)	(+)
acetic acid G Organic acids											+	+	+	+	+	+			
acetic anhydride G Acid anhydride											+	+	+	+					
acetone G Ketones					+	+	+	+											
acetone G Ketones					+	+	+	+											
acetone G Ketones					+	+	+	+	(+)	(+)									
acetone G Ketones	-	-	+	+	+	+	+	+	-	-								+	+
acetone G Ketones											+	+	+	+	+	+			
acetonitrile G Nitrile					+	+	+	+											
acetonitrile G Nitrile											+	+	+	+	+	+			
acetophenone G Aromatic ketones					+	+	+	+											
acetyl chloride G Acyl halides					+	+	+	+											
acetyl chloride G Acyl halides											+	+	+	+	+	+			
acetylene G Hydrocarbons, acetylene					+	+	+	+											
acrylic acid G Organic acids					+	+	+	+											
acrylonitrile G Nitrile					+	+	+	+											
a-diisobutylene											+	+	+	+	+	+			

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
air (liquid) G Other inorganic chemicals					+	+	+	+											
allyl alcohol G Alcohols					+	+	+	+											
allyl chloride G Halogenated hydrocarbons					+	+	+	+											
aluminium hydroxide G Inorganic alkalis					+	+	+	+											
aluminium sulphate G Inorganic salts					+	+	+	+											
aluminium sulphate G Inorganic salts					+	+	+	+											
aluminum chloride G Inorganic salts					+	+	+	+											
aluminum chloride G Inorganic salts					+	+	+	+											
aluminum chloride G Inorganic salts											+	+	+	+	+	+			
aluminum fluoride G Inorganic salts					+	+	+	+											
amino acids G Amino acids					+	+	+	+											
ammonia G Inorganic alkalis																		-	-
ammonia G Inorganic alkalis					+	+	+	+											
ammonia G Inorganic alkalis					+	+	+	+											
ammonia G Inorganic alkalis											+	+	+	+	+	+			
ammonium acetate G Salts					+	+	+	+											
ammonium bicarbonate G Inorganic salts					+	+	+	+											
ammonium carbonate G Inorganic salts					+	+	+	+											
ammonium carbonate G Inorganic salts					+	+	+	+											
ammonium carbonate G Inorganic salts					+	+	+	+											
ammonium chloride G Inorganic salts					+	+	+	+											
ammonium chloride G Inorganic salts					+	+	+	+											
ammonium chloride G Inorganic salts					+	+	+	+											
ammonium chloride G Inorganic salts											+	+	+	+	+	+			
ammonium fluoride G Inorganic salts					+	+	+	+											
ammonium hydrogen phosphate G Inorganic salts					+	+	+	+											

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chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
ammonium hydroxide G Inorganic alkalis 1% 20°C					+	+	+	+	+	+									
ammonium hydroxide G Inorganic alkalis 10% 20°C			-	-	+	+	+	+	+	+									
ammonium hydroxide G Inorganic alkalis 30% 20°C					+	+	+	+	-	-									
ammonium hydroxide G Inorganic alkalis 100% 20°C			-	-	+	+	+	+	-	-									
ammonium hydroxide G Inorganic alkalis 100% 100°C											+	+	+	+	+	+			
ammonium nitrate G Inorganic salts 100% 20°C					+	+	+	+											
ammonium nitrate G Inorganic salts 100% 100°C											+	+	+	+	+	+			
ammonium sulphate G Inorganic salts 10% 20°C					+	+	+	+											
ammonium sulphate G Inorganic salts 100% 20°C					+	+	+	+											
ammonium sulphate G Inorganic salts 100% 100°C											+	+	+	+	+	+			
ammonium sulphide G Inorganic salts 20% 20°C					+	+	+	+											
ammonium sulphide G Inorganic salts 100% 20°C					+	+	+	+											
ammonium thiocyanate G Inorganic salts 100% 20°C					+	+	+	+											
amyl acetate G Ester 100% 20°C					+	+	+	+	(+)	(+)									
amyl chloride G Halogenated hydrocarbons 100% 20°C					+	+	+	+											
aniline G Aromatic amines 100% 20°C			+	+	+	+	+	+											
aniline G Aromatic amines 100% 100°C											+	+	+	+					
antimony (III) chloride G Inorganic salts 10% 20°C					+	+	+	+											
antimony (III) chloride G Inorganic salts 50% 40°C					+	+	+	+											
antimony (III) chloride G Inorganic salts 100% 20°C					+	+	+	+											
aqua regia G Inorganic acids 100% 20°C					-	-	-	-											
argon G Other inorganic chemicals 100% 20°C					+	+	+	+											
aromatic hydrocarbons G Aromatic hydrocarbons 100% 80°C					+	+	+	+											
automatic transmission fluid Dexron II 100% -180°C									+	+									
barium chloride G Inorganic salts 100% 100°C											+	+	+	+	+	+			
barium hydroxide G Inorganic alkalis 100% 100°C											+	+	+	+	+	+			

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chemical / concentration / temperature	materials																	
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T
barium sulfate G Inorganic salts	100%	100°C									+	+	+	+	+	+		
benzaldehyde G Aldehydes / ketones	100%	20°C			+	+	+	+	-	-								
benzaldehyde G Aldehydes / ketones	100%	100°C									+	+	+	+				
benzene G Aromatic hydrocarbons	100%	20°C		+	+	+	+	+	-	-							+	+
benzene G Aromatic hydrocarbons	100%	100°C									+	+	+	+	+	+		
benzenesulfonic acid G Organic acids	100%	100°C									+	+	+	+	+	+		
benzoic acid G Organic acids	20%	20°C			+	+	+	+										
benzoic acid G Organic acids	100%	20°C			+	+	+	+										
benzotrile G Cyano compounds	100%	100°C									+	+	+	+	+	+		
benzyl alcohol G Alcohols / glycols	100%	20°C			+	+	+	+										
benzylchloride G Halogenated aromatic hydrocarbons	100%	20°C			+	+	+	+										
benzylchloride G Halogenated aromatic hydrocarbons	100%	100°C									+	+	+	+	+	+		
bitumen G Other hydrocarbons	100%	20°C			+	+	+	+									+	+
bleach G Other inorganic chemicals	100%	20°C		+	+	+	+	+										
borax G Inorganic salts	10%	20°C			+	+	+	+										
borax G Inorganic salts	50%	20°C			+	+	+	+										
borax G Inorganic salts	100%	20°C			+	+	+	+										
borax G Inorganic salts	100%	100°C									+	+	+	+	+	+		
boric acid G Inorganic acids	10%	20°C			+	+	+	+										
boric acid G Inorganic acids	100%	20°C			+	+	+	+										
boron trifluoride G Other inorganic chemicals	100%	20°C			(+)	(+)	(+)	(+)										
brake fluids (DIN 53521)	100%	20°C		+	+	+	+	+	-	-								
bromid acid G Inorganic acids	100%	20°C			-	-	-	-										
bromine G Halogens	100%	20°C			-	-	-	-										
bromine G Halogens	100%	100°C		(+)	(+)						(+)	(+)	(+)	(+)	+	+		
bromine (liquid) G Halogens	100%	20°C			-	-	-	-										

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
bromochloromethane G Halogenated hydrocarbons					+	+	+	+											
butadiene -1,3 G Aliphatic hydrocarbons					+	+	+	+											
butadiene -1,3 G Aliphatic hydrocarbons											+	+	+	+	+	+			
butane G Aliphatic hydrocarbons			+	+	+	+	+	+	+	+									
butene G Aliphatic hydrocarbons					+	+	+	+											
butene G Aliphatic hydrocarbons											+	+	+	+					
butyl acetate G Ester			+	+	+	+	+	+	(+)	(+)							+	+	
butyl acetate G Ester											+	+	+	+					
butyl glycol G Alcohols / glycols					+	+	+	+											
butylene phthalate G Ester											+	+	+	+					
butyric acid G Organic acids					+	+	+	+											
butyric acid G Organic acids					+	+	+	+											
butyrolactone G Lactones					+	+	+	+											
calcium carbonate G Inorganic salts					+	+	+	+											
calcium chloride G Inorganic salts					+	+	+	+											
calcium chloride G Inorganic salts			+	+	+	+	+	+									+	+	
calcium chloride G Inorganic salts					+	+	+	+											
calcium chloride G Inorganic salts											+	+	+	+	+	+			
calcium hydroxide G Inorganic alkalis					+	+	+	+											
calcium hydroxide G Inorganic alkalis					+	+	+	+											
calcium hypochlorite G Inorganic salts			+	+	+	+	+	+											
calcium nitrate G Inorganic salts											+	+	+	+	+	+			
calcium salts G Inorganic salts					+	+	+	+											
calcium sulfate G Inorganic salts											+	+	+	+	+	+			
camphor G Aldehydes / ketones					+	+	+	+											
caprolactam G Amides					(+)	(+)	(+)	(+)											

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chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
carbon dioxide G Other inorganic chemicals					+	+	+	+											
carbon dioxide G Other inorganic chemicals											+	+	+	+	+	+			
carbon disulfide G Other inorganic chemicals			+	+	+	+	+	+										+	+
carbon disulfide G Other inorganic chemicals											+	+	+	+	+	+			
carbon monoxide gas G Other inorganic chemicals					+	+	+	+											
carbon tetrachloride G Halogenated hydrocarbons			+	+	+	+	+	+	+	+								+	+
carbon tetrachloride G Halogenated hydrocarbons											+	+	+	+					
carbonic acid G Inorganic acids					+	+	+	+											
carbonic acid G Inorganic acids					+	+	+	+											
casein					+	+	+	+											
castor oil					+	+	+	+											
Castrol Universal brake- and clutch fluid					+	+	+	+											
celluloseacetate G Ester					+	+	+	+											
chloral hydrate					+	+	+	+											
chloramine G Sulfonamides					+	+	+	+											
chlorine G Halogens					+	+	+	+											
chlorine G Halogens											(+)	(+)	(+)	(+)	+	+			
chlorine (aqueous solution) G Halogens					(+)	(+)	(+)	(+)											
chlorine (aqueous solution) G Halogens					-	-	-	-											
chlorine, liquid G Halogens					-	-	-	-											
chloroacetic acid G Organic acids					+	+	+	+											
chloroacetic acid G Organic acids					+	+	+	+											
chlorobenzene G Halogenated aromatic hydrocarbons					+	+	+	+										+	+
chlorobenzene G Halogenated aromatic hydrocarbons											+	+	+	+	+	+			
chlorodifluoromethane G Halogenated hydrocarbons					+	+	+	+											
chloroethane G Halogenated hydrocarbons					+	+	+	+											

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
chloroform G Halogenated hydrocarbons			-	-	+	+	+	+	-	-								+	+
chloroform G Halogenated hydrocarbons											+	+	+	+	+	+			
chloromethyl ether G Ether					+	+	+	+											
chlorophenols G Phenols											+	+	+	+					
chlorosulfonic acid G Inorganic acids					+	+	+	+											
chlorosulfonic acid G Inorganic acids					+	+	+	+											
chlorosulfonic acid G Inorganic acids					+	+	+	+											
chlorosulfonic acid G Inorganic acids											-	-	-	-	+	+			
chromic acid G Inorganic acids					+	+	+	+	+	+									
chromic acid G Inorganic acids					+	+	+	+	+	+									
chromic acid G Inorganic acids					+	+	+	+											
chromic acid G Inorganic acids			+	+	+	+	+	+											
chromic acid G Inorganic acids					+	+	+	+											
chromic acid G Inorganic acids											(+)	(+)	(+)	(+)	+	+			
chromic anhydride G Other inorganic chemicals					-	-	-	-											
chromic anhydride G Other inorganic chemicals									(+)	(+)									
chromic anhydride G Other inorganic chemicals					+	+	+	+											
chromosulfuric acid G Inorganic acids											+	+	+	+					
chromyl chloride G Other inorganic chemicals					+	+	+	+											
citric acid G Organic acids			+	+	+	+	+	+										+	+
citric acid G Organic acids					+	+	+	+											
citric acid G Organic acids					+	+	+	+											
citric acid G Organic acids									+	+									
cleaning materials											+	+	+	+	+	+			
cobalt salts G Inorganic salts					+	+	+	+											
coffee									-	-									

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chemical / concentration / temperature	materials																	
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T
combustible (JP) 100% 100°C											+	+	+	+	+	+		
compressed air 100% 20°C G Other inorganic chemicals					+	+	+	+										
coolants (DIN 53521) 100% 120°C G Other inorganic chemicals					+	+	+	+										
copper chloride 5% 20°C G Inorganic salts					+	+	+	+										
copper chloride 50% 100°C G Inorganic salts					+	+	+	+										
copper chloride 100% 20°C G Inorganic salts					+	+	+	+										
copper fluoride 100% 20°C G Inorganic salts					+	+	+	+										
copper sulfate 1% 20°C G Inorganic salts					+	+	+	+										
copper sulfate 10% 20°C G Inorganic salts					+	+	+	+										
copper sulfate 100% 20°C G Inorganic salts					+	+	+	+										
copper sulfate 100% 100°C G Inorganic salts											+	+	+	+	+	+		
copper(II) salts 10% 20°C G Inorganic salts					+	+	+	+										
copper(II) salts 50% 20°C G Inorganic salts					+	+	+	+										
cotton seed oil 100% -180°C									+	+								
cotton seed oil 100% 20°C			+	+														
cotton seed oil 100% 100°C											+	+	+	+	+	+		
cresol 95% 20°C G Phenols					-	-	-	-										
cresol 100% 20°C G Phenols			-	-														
cresol 100% 100°C G Phenols											+	+	+	+	+	+		
cresyl diphenyl phosphate 100% 100°C G Ester											+	+	+	+				
crude oil 100% -180°C									+	+								
crude oil 100% 20°C					+	+	+	+										
crude oil 100% 100°C											+	+	+	+	+	+		
cyankali 100% 20°C G Inorganic salts					+	+	+	+										
cyclohexane 100% 20°C G Hydrocarbons					+	+	+	+	+	+							+	+
cyclohexane 100% 100°C G Hydrocarbons											+	+	+	+	+	+		

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	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-630	ZX-630CD3	ZX-630EL3	ZX-630KF15	ZX-550	ZX-550PV	ZX-750VKF	ZX-750V5T	
cyclohexanol G Alcohols / glycols					+	+	+	+	+	+									
cyclohexanol G Alcohols / glycols											+	+	+	+	+	+			
cyclohexanone G Aldehydes / ketones					+	+	+	+										+	+
cyclohexanone G Aldehydes / ketones											+	+	+	+	+	+			
decahydronaphthalene G Hydrocarbons					+	+	+	+											
decalin																		+	+
detergents											+	+	+	+	+	+			
detergents, synthetic			+	+															
developer G Other inorganic chemicals					+	+	+	+											
dextrin G Other hydrocarbons					+	+	+	+											
D-glucose G Carbohydrate					+	+	+	+											
dibutyl ether G Ether					+	+	+	+											
dibutyl ether G Ether											+	+	+	+					
dibutyl phthalate G Ester			+	+	+	+	+	+	(+)	(+)									
dichloroacetic acid G Organic acids					+	+	+	+											
dichloroacetic acid G Organic acids					+	+	+	+											
dichloroacetic acid methyl ester G Ester					+	+	+	+											
dichlorobenzene G Halogenated aromatic hydrocarbons					+	+	+	+											
Dichlorodifluoromethane G Halogenated hydrocarbons					+	+	+	+											
dichlorofluoromethane G Halogenated hydrocarbons					(+)	(+)	(+)	(+)											
dichlorotetrafluoroethane G Halogenated hydrocarbons					+	+	+	+											
diesel fuels (DIN 51601) G Other hydrocarbons					+	+	+	+											
Diesel oil									+	+									
Diesel oil			+	+														+	+
Diesel oil											+	+	+	+	+	+			
diethyl ether G Ether			+	+	+	+	+	+	+	+									

G Group + Resistant (+) Limited resistant - Not resistant x Soluble

Chemicals list

chemical / concentration / temperature	materials																	
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T
diethyl ether G Ether											+	+	+	+				
diethyl ketone G Aldehydes / ketones					+	+	+	+										
diethylamine G Amines					+	+	+	+										
diethylene glycol G Alcohols / glycols					+	+	+	+										
diisobutyl ketone G Aldehydes / ketones					+	+	+	+										
dimethyl ether G Ether					+	+	+	+										
dimethyl sulfoxide G Sulfoxides											+	+	+	+				
dimethyl terephthalate G Ester											+	+	+	+	+	+		
dimethylamine G Amines					+	+	+	+										
dimethylformamide G Amides					+	+	+	+									(+)	(+)
dimethylformamide G Amides											+	+	+	+	+	+		
dioctyl phthalate G Ester					+	+	+	+	(+)	(+)								
dioctyl phthalate G Ester											+	+	+	+	+	+		
diphenyl ether G Ether					+	+	+	+										
diphenyl sulfone G Sulfoxides					(+)	(+)	(+)	(+)										
dipropylene glycol G Alcohols / glycols					+	+	+	+										
epichlorohydrin G Ether					+	+	+	+										
epichlorohydrin G Ether											+	+	+	+	+	+		
essential oils					+	+	+	+										
Esso turbine Oil 2380										+	+							
Esso turbine Oil 2380	(+)	+																
Esso turbine Oil 2389										+	+							
Esso turbine Oil 2389	(+)	+																
ethane G Aliphatic hydrocarbons					(+)	(+)	(+)	(+)										
ethanol G Alcohols / glycols					+	+	+	+	+	+								
ethanol G Alcohols / glycols					+	+	+	+	+	+								

G Group + Resistant (+) Limited resistant - Not resistant x Soluble

Chemicals list

chemical / concentration / temperature			materials																	
			ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T
ethanol G Alcohols / glycols	100%	20°C	(+)	(+)	+	+	+	+	+	+									+	+
ethanolamine G Alcohols	100%	100°C											+	+	+	+	+	+		
ethyl acetate G Ester	100%	20°C	x	x	+	+	+	+	+	+	(+)	(+)							+	+
ethyl acetate G Ester	100%	100°C											+	+	+	+	+	+		
ethylene G Aliphatic hydrocarbons	100%	20°C					+	+	+	+										
ethylene carbonate G Carbonates	100%	40°C					+	+	+	+										
ethylene glycol G Alcohols / glycols	50%	140°C					+	+	+	+	-	-								
ethylene glycol G Alcohols / glycols	100%	20°C			+	+	+	+	+	+	+	+								
ethylene glycol G Alcohols / glycols	100%	100°C											+	+	+	+	+	+		
ethylene oxide G Ether	100%	20°C					+	+	+	+										
ethylenediamine G Amines	100%	20°C					+	+	+	+										
ethylenediamine G Amines	100%	100°C											+	+	+	+	+	+		
fats G Other hydrocarbons	100%	20°C					+	+	+	+										
fatty acids G Organic acids	5%	20°C					+	+	+	+										
fatty acids G Organic acids	100%	20°C					+	+	+	+										
fluorine G Halogens	100%	20°C					-	-	-	-										
Fluorochlorohydrocarbon (FCHC) G Halogenated hydrocarbons	100%	20°C					+	+	+	+	+	+								
fluorosilicic acid G Inorganic acids	30%	20°C					+	+	+	+										
formaldehyde G Aldehydes / ketones	30%	20°C					+	+	+	+										
formaldehyde G Aldehydes / ketones	30%	100°C											+	+	+	+				
formaldehyde G Aldehydes / ketones	40%	100°C															+	+		
formaldehyde G Aldehydes / ketones	100%	20°C					+	+	+	+	-	-								
formalin G Aldehydes / ketones	100%	20°C					+	+	+	+										
formamide G Amides	100%	20°C					+	+	+	+										
formic acid G Organic acids	1%	20°C					+	+	+	+										
formic acid G Organic acids	5%	20°C			+	+	+	+	+	+										

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
formic acid G Organic acids 10% 20°C					+	+	+	+										+	+
formic acid G Organic acids 50% 20°C					+	+	+	+											
formic acid G Organic acids 95% 20°C			(+)	(+)															
formic acid G Organic acids 95% 60°C					(+)	(+)	(+)	(+)											
formic acid G Organic acids 100% 20°C					(+)	(+)	(+)	(+)	+	+									
formic acid G Organic acids 100% 100°C											+	+	+	+	+	+			
formol G Aldehydes / ketones 100% 20°C					+	+	+	+											
Freon G Halogenated hydrocarbons 100% 100°C											+	+	+	+	+	+			
Freon 11 G Halogenated hydrocarbons 100% 20°C			+	+															
fruit juices G Other Chemicals 100% 20°C					+	+	+	+										+	+
fuel oil 100% -180°C									+	+									
fuel oil 100% 20°C																		+	+
fuel oil 100% 100°C											+	+	+	+	+	+			
fuel oil (DIN 51603) G Other hydrocarbons 100% -180°C									+	+									
fuel oil (DIN 51603) G Other hydrocarbons 100% 20°C					+	+	+	+											
furan G Heterocyclic compounds 100% 100°C											+	+	+	+	+	+			
furfural G Alcohols / glycols 100% 20°C					+	+	+	+											
furfuryl alcohol G Alcohols / glycols 100% 20°C					+	+	+	+											
gear oil Castrol Hypoyep 90 100% -180°C									+	+									
gear oil Castrol Hypoyep 90 100% 140°C					+	+	+	+											
glycerol G 100% 20°C			+	+	+	+	+	+										+	+
glycolic acid G Organic acids, hydroxy acids 30% 20°C					+	+	+	+											
glycolic acid G Organic acids, hydroxy acids 100% 20°C					+	+	+	+											
glycolic acid G Organic acids, hydroxy acids 100% 100°C											+	+	+	+	+	+			
helium G Other inorganic chemicals 100% 20°C					+	+	+	+											
heptane G Aliphatic hydrocarbons 100% 20°C			+	+	+	+	+	+										+	+

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Chemicals list

chemical / concentration / temperature	materials																	
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T
heptane G Aliphatic hydrocarbons											+	+	+	+	+	+		
hexachlorobenzene G Halogenated aromatic hydrocarbons					+	+	+	+										
hexane G Aliphatic hydrocarbons			+	+	+	+	+	+	+	+								
hexane G Aliphatic hydrocarbons											+	+	+	+	+	+		
humic acids G Organic acids					+	+	+	+										
hydraulic oils									+	+								
hydraulic oils					+	+	+	+										
hydrazine G Hydrazine					+	+	+	+										
hydrobromic acid G Halogens					+	+	+	+										
hydrobromic acid G Halogens					(+)	(+)	(+)	(+)										
hydrochloric acid G Inorganic acids					+	+	+	+	+	+							+	+
hydrochloric acid G Inorganic acids									+	+								
hydrochloric acid G Inorganic acids			+	+	+	+	+	+	+	+								
hydrochloric acid G Inorganic acids					+	+	+	+	+	+								
hydrochloric acid G Inorganic acids											+	+	+	+	+	+		
hydrochloric acid G Inorganic acids			-	-	+	+	+	+	+	+								
hydrochloric acid G Inorganic acids											+	+	+	+				
hydrochloric acid G Inorganic acids					+	+	+	+									-	-
hydrochloric acid G Inorganic acids															+	+		
hydrochloric acid G Inorganic acids					+	+	+	+	-	-								
hydrofluoric acid G Inorganic acids			+	+	(+)	(+)	(+)	(+)										
hydrofluoric acid G Inorganic acids											+	+	+	+	+	+		
hydrofluoric acid G Inorganic acids			-	-	-	-	-	-										
hydrofluoric acid G Inorganic acids					-	-	-	-										
hydrogen G Other inorganic chemicals					+	+	+	+										
hydrogen G Other inorganic chemicals											+	+	+	+	+	+		

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
hydrogen cyanide G Inorganic acids					+	+	+	+											
hydrogen iodide G Inorganic acids					+	+	+	+											
hydrogen iodide G Inorganic acids					+	+	+	+											
hydrogen peroxide G Other inorganic chemicals					+	+	+	+											
hydrogen peroxide G Other inorganic chemicals				+	+	+	+	+	+	+								-	-
hydrogen peroxide G Other inorganic chemicals											(+)	(+)	(+)	(+)					
hydrogen peroxide G Other inorganic chemicals					+	+	+	+											
hydrogen peroxide G Other inorganic chemicals					+	+	+	+											
hydrogen sulfide G Inorganic acids											+	+	+	+	+	+			
hydrogen sulfide, dry G Inorganic acids					+	+	+	+											
hydrogen sulfide, dry G Inorganic acids					+	+	+	+											
ink									+	+								+	+
iodine G Halogens					(+)	(+)	(+)	(+)											
iodoform G Halogenated hydrocarbons					+	+	+	+											
iodoform G Halogenated hydrocarbons					+	+	+	+											
iron(II) chloride G Inorganic salts					+	+	+	+											
iron(II) chloride G Inorganic salts					+	+	+	+											
iron(II) chloride G Inorganic salts					+	+	+	+											
iron(II) sulfate G Inorganic salts					+	+	+	+											
iron(III) chloride G Inorganic salts					+	+	+	+	+	+									
iron(III) chloride G Inorganic salts					+	+	+	+											
iron(III) chloride G Inorganic salts					(+)	(+)	(+)	(+)											
iron(III) chloride G Inorganic salts					+	+	+	+											
iron(III) chloride G Inorganic salts											+	+	+	+	+	+			
isobutanol G Alcohols / glycols					+	+	+	+											
isobutyl acetate G Ester					+	+	+	+	(+)	(+)									

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
isooctane G Aliphatic hydrocarbons	100%	20°C	(+)	+				+	+	+	+							+	+
isooctane/toluene (70:30) G Hydrocarbons	70%	20°C	-	-															
isopropyl acetate G Ester	100%	20°C						+	+	+	+	(+)	(+)						
isopropyl alcohol G Alcohols / glycols	100%	20°C						(+)	(+)										
isopropyl ether G Ether	100%	20°C						+	+	+	+								
Javelle water G Inorganic salts	10%	20°C						+	+										
Javelle water G Inorganic salts	20%	100°C										+	+	+	+				
kerosene G Other hydrocarbons	100%	20°C						+	+	+	+								
kerosene G Other hydrocarbons	100%	100°C										+	+	+	+	+	+		
ketones (aliphatic) G Aldehydes / ketones	100%	20°C						+	+	+	+								
lactic acid G Organic acids	10%	20°C						+	+	+	+							+	+
lactic acid G Organic acids	50%	140°C						+	+	+	+								
lactic acid G Organic acids	95%	20°C						+	+	+	+								
lactic acid G Organic acids	100%	20°C						+	+	+	+								
lactic acid G Organic acids	100%	100°C										+	+	+	+	+	+		
lanolin	100%	20°C						+	+	+	+								
lead (II) acetate G Inorganic salts	10%	20°C						+	+	+	+								
lead (II) acetate G Inorganic salts	100%	20°C						+	+	+	+								
light petrol G Other hydrocarbons	100%	20°C								+	+								
linseed oil	100%	20°C						+	+	+	+							+	+
lithium salt G Inorganic salts	10%	20°C						+	+	+	+								
lubricating grease	100%	20°C						+	+	+	+								
lubricating oil G Other hydrocarbons	100%	-180°C								+	+								
lubricating oil G Other hydrocarbons	100%	20°C						+	+	+	+								
lubricating oil G Other hydrocarbons	100%	100°C										+	+	+	+	+	+		
lye G Other inorganic chemicals	100%	20°C						+	+	+	+	+	+	+	+	+			

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
machine oil, engine oil 100% -180°C									+	+									
magnesium chloride G Inorganic salts 10% 20°C					+	+	+	+											
magnesium chloride G Inorganic salts 40% 100°C					(+)	(+)	(+)	(+)											
magnesium chloride G Inorganic salts 100% 20°C					(+)	(+)	(+)	(+)											
magnesium chloride G Inorganic salts 100% 100°C											+	+	+	+	+	+			
magnesium hydroxide G Inorganic alkalis 10% 20°C					+	+	+	+											
magnesium hydroxide G Inorganic alkalis 100% 20°C					+	+	+	+											
magnesium hydroxide G Inorganic alkalis 100% 100°C											+	+	+	+	+	+			
magnesium stearate G Inorganic salts 100% 20°C									+	+									
maleic acid G Organic acids 10% 20°C					+	+	+	+											
maleic acid G Organic acids 20% 20°C					+	+	+	+											
maleic acid G Organic acids 50% 20°C					+	+	+	+											
maleic acid G Organic acids 100% 20°C					+	+	+	+											
malic acid G Organic acids 50% 20°C					+	+	+	+											
malic acid G Organic acids 100% 20°C					+	+	+	+											
malonic acid G Organic acids 100% 20°C					+	+	+	+											
manganese salt G Inorganic salts 10% 20°C					+	+	+	+											
menthol G Alcohols / glycols 100% 20°C					+	+	+	+											
mercury G Other inorganic chemicals 100% 20°C					+	+	+	+											
mercury(II) chloride G Inorganic salts 5% 20°C					+	+	+	+											
mercury(II)-nitrate G Inorganic salts 100% 20°C					+	+	+	+											
methane G Aliphatic hydrocarbons 100% 20°C					+	+	+	+											
methanol G Alcohols / glycols 50% 20°C					+	+	+	+	+	+									
methanol G Alcohols / glycols 100% 20°C			+	+	+	+	+	+	+	+								+	+
methoxybutanol G Alcohols / glycols 100% 20°C					+	+	+	+											
methyl acetate G Ester 100% 20°C					+	+	+	+	(+)	(+)									

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
methyl bromide G Halogenated hydrocarbons					+	+	+	+											
methyl chloride G Halogenated hydrocarbons					+	+	+	+											
methyl ethyl ketone G Aldehydes / ketones					+	+	+	+											
methyl ethyl ketone G Aldehydes / ketones			+	+	+	+	+	+	-	-							+	+	
methyl ethyl ketone G Aldehydes / ketones											+	+	+	+	+	+			
methyl isobutyl ketone G Aldehydes / ketones					+	+	+	+											
methyl isobutyl ketone G Aldehydes / ketones											+	+	+	+	+	+			
methylamine G Amines					+	+	+	+											
methylene chloride G Halogenated hydrocarbons			-	-	+	+	+	+	x	x							+	+	
methylglycol G Alcohols / glycols, ether					+	+	+	+	-	-									
milk																	+	+	
mineral oil G Other hydrocarbons	-	(+)	+	+	+	+	+	+											
mineral oil G Other hydrocarbons											+	+	+	+					
moist heat sterilisation G Other inorganic chemicals					+	+	+	+	+	+									
morpholine G Amines, ether					+	+	+	+											
morpholine G Amines, ether											(+)	(+)	(+)	(+)	+	+			
motor oil G Other hydrocarbons									+	+									
motor oil G Other hydrocarbons											+	+	+	+					
motor oil G Other hydrocarbons					+	+	+	+											
moulds (MIL-T-18404/ 4.4.8) G Other inorganic chemicals					+	+	+	+											
N,N-dimethylacetamide G Amides					+	+	+	+											
N,N-dimethylaniline G Amines											+	+	+	+	+	+			
naphta					+	+	+	+	+	+									
naphthalene G Aromatic hydrocarbons					+	+	+	+											
naphthalene-sulfonic acid G Organic acids					-	-	-	-											
natural gas G Other hydrocarbons					+	+	+	+											

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
neon G Other inorganic chemicals					+	+	+	+											
nickel salt G Inorganic salts					+	+	+	+											
nickel salt G Inorganic salts					+	+	+	+											
nitric acid G Inorganic acids									+	+									
nitric acid G Inorganic acids					+	+	+	+	+	+									
nitric acid G Inorganic acids			+	+	+	+	+	+	+	+									
nitric acid G Inorganic acids											+	+	+	+	+	+			
nitric acid G Inorganic acids					+	+	+	+											
nitric acid G Inorganic acids					(+)	(+)	(+)	(+)											
nitric acid G Inorganic acids											(+)	(+)	(+)	(+)	+	+			
nitric acid G Inorganic acids			-	-															
nitric acid G Inorganic acids					(+)	(+)	(+)	(+)											
nitric acid G Inorganic acids					(+)	(+)	(+)	(+)											
nitric acid G Inorganic acids					-	-	-	-											
nitric acid G Inorganic acids											(+)	(+)	(+)	(+)	+	+			
nitrobenzene G Aromatic nitro compounds					+	+	+	+									+	+	
nitrobenzene G Aromatic nitro compounds											+	+	+	+	+	+			
nitrogen G Other inorganic chemicals					+	+	+	+											
nitrogen G Other inorganic chemicals											+	+	+	+	+	+			
nitrogen (200 bar) G Other inorganic chemicals					+	+	+	+											
nitrogen oxide G Other inorganic chemicals					+	+	+	+											
nitromethane G Aliphatic nitro compounds					+	+	+	+											
nitromethane G Aliphatic nitro compounds											+	+	+	+					
nitrotoluene G Aromatic nitro compounds					+	+	+	+											
nitrous acid G Inorganic acids					+	+	+	+											
N-methylaniline G Aromatic amines					+	+	+	+											

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
N-methylpyrrolidone G Amides					+	+	+	+											
octane G Aliphatic hydrocarbons					+	+	+	+	+	+									
octenes G Aliphatic hydrocarbons					+	+	+	+											
oil of turpentine					+	+	+	+											
oleic acid G Organic acids			+	+	+	+	+	+											
oleum G Inorganic acids					x	x	x	x											
olive oil			+	+															
oxalic acid G Organic acids					+	+	+	+									+	+	
oxalic acid G Organic acids					+	+	+	+											
oxalic acid G Organic acids					+	+	+	+											
oxalic acid G Organic acids					+	+	+	+											
oxygen G Other inorganic chemicals					+	+	+	+											
oxygen under pressure G Other inorganic chemicals					+	+	+	+											
ozone G Other inorganic chemicals					+	+	+	+										(+)	(+)
ozone (rarefied with air) G Other inorganic chemicals					+	+	+	+											
palmitic acid G Organic acids					+	+	+	+											
paraffin oil G Other hydrocarbons					+	+	+	+										+	+
paraffine G Aliphatic hydrocarbons					+	+	+	+											
pentanes G Aliphatic hydrocarbons					+	+	+	+											
perchloric acid G Inorganic acids					+	+	+	+											
perchloric acid G Inorganic acids					+	+	+	+											
perchloric acid G Inorganic acids					+	+	+	+											
petrol			+	+														+	+
petrol											+	+	+	+	+	+			
petrol, sour					+	+	+	+											
petrol, unleaded G Other hydrocarbons					+	+	+	+											

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
petrol, normal (DIN 53521) G Other hydrocarbons					+	+	+	+	(+)	(+)									
petrol, super (DIN 53521) G Other hydrocarbons					+	+	+	+											
petrol, super (DIN 53521) G Other hydrocarbons									(+)	(+)									
petroleum G Other hydrocarbons			+	+													+	+	
petroleum G Other hydrocarbons											+	+	+	+	+	+			
petroleum ether G Other hydrocarbons					+	+	+	+											
phenol G Phenols					+	+	+	+											
phenol G Phenols					(+)	(+)	(+)	(+)	-	-									
phenol G Phenols			(+)	(+)													+	+	
phenol G Phenols					-	-	-	-	-	-									
phenol G Phenols											+	+	+	+	+	+			
phenol cc. G Phenols					-	-	-	-											
phosphoric acid G Inorganic acids					+	+	+	+	+	+									
phosphoric acid G Inorganic acids									+	+									
phosphoric acid G Inorganic acids					+	+	+	+	+	+									
phosphoric acid G Inorganic acids					+	+	+	+											
phosphoric acid G Inorganic acids									+	+									
phosphoric acid G Inorganic acids					+	+	+	+											
phosphoric acid G Inorganic acids									-	-									
phosphoric acid G Inorganic acids			+	+	+	+	+	+	-	-									
phosphoric acid G Inorganic acids																	(+)	(+)	
phosphoric acid G Inorganic acids											+	+	+	+	+	+			
phosphorus trichlorides G Other inorganic chemicals					+	+	+	+											
phosphorus trichlorides G Other inorganic chemicals											+	+	+	+	+	+			
phthalic acid G Organic acids					+	+	+	+											
phthalic acid G Organic acids					+	+	+	+											

G Group + Resistant (+) Limited resistant - Not resistant x Soluble

Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
picric acid G Phenols 50% 20°C					+	+	+	+											
picric acid G Phenols 100% 20°C					+	+	+	+											
potash lye 10% 20°C																		(+)	(+)
potash lye 50% 20°C																		-	-
potassium acetate G Salts 100% 20°C					+	+	+	+											
potassium bromate G Inorganic salts 100% 20°C					+	+	+	+											
potassium bromide G Inorganic salts 10% 20°C					+	+	+	+											
potassium bromide G Inorganic salts 100% 20°C					+	+	+	+											
potassium carbonate G Inorganic salts 50% 20°C					+	+	+	+	+	+									
potassium carbonate G Inorganic salts 100% 20°C					+	+	+	+	+	+									
potassium chlorate G Inorganic salts 100% 20°C					+	+	+	+											
potassium chloride G Inorganic salts 10% 20°C			+	+	+	+	+	+											
potassium chloride G Inorganic salts 100% 20°C					+	+	+	+											
potassium chloride G Inorganic salts 100% 100°C											+	+	+	+	+	+			
potassium dichromate G Inorganic salts 5% 20°C					+	+	+	+											
potassium dichromate G Inorganic salts 10% 20°C					+	+	+	+											
potassium dichromate G Inorganic salts 30% 80°C					+	+	+	+											
potassium dichromate G Inorganic salts 40% 20°C					+	+	+	+											
potassium dichromate G Inorganic salts 100% 20°C			+	+	+	+	+	+											
potassium hydroxide G Inorganic alkalis 1% 20°C			+	+															
potassium hydroxide G Inorganic alkalis 10% 20°C			(+)	(+)															
potassium hydroxide G Inorganic alkalis 50% 20°C			-	-															
potassium hydroxide G Inorganic alkalis 50% 100°C											+	+	+	+	+	+			
potassium hydroxide G Inorganic alkalis 70% 20°C					+	+	+	+											
potassium nitrate G Inorganic salts 10% 20°C					+	+	+	+											
potassium nitrate G Inorganic salts 50% 20°C					+	+	+	+											

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
potassium perchlorate G Inorganic salts					+	+	+	+											
potassium permanganate G Inorganic salts					+	+	+	+										+	+
potassium permanganate G Inorganic salts			+	+	+	+	+	+											
potassium permanganate G Inorganic salts					+	+	+	+											
potassium permanganate G Inorganic salts					+	+	+	+											
potassium permanganate G Inorganic salts											+	+	+	+	+	+			
potassium persulfate G Inorganic salts					+	+	+	+											
potassium sulfate G Inorganic salts					+	+	+	+											
potassium sulfate G Inorganic salts					+	+	+	+											
potassium sulphide G Inorganic salts					+	+	+	+											
propane G Aliphatic hydrocarbons					+	+	+	+											
propanols																		+	+
propene G Aliphatic hydrocarbons					+	+	+	+											
propionic acid G Organic acids					+	+	+	+											
propionic acid G Organic acids					+	+	+	+										(+)	(+)
propionic acid G Organic acids					+	+	+	+											
propyl acetate G Ester					+	+	+	+	(+)	(+)									
propylene chlorohydrin G Alcohols / glycols											+	+	+	+	+	+			
propylene glycol G Alcohols / glycols					+	+	+	+	+	+									
pyridine G Amines					+	+	+	+										-	-
pyridine G Amines											+	+	+	+	+	+			
pyrogallol G Phenols					-	-	-	-											
pyrogallol G Phenols					-	-	-	-											
radiation 25kGy - for 6 hours					+	+	+	+											
rare gases (argon, helium, neon,...) G Other inorganic chemicals					+	+	+	+											
resorcinol G Phenols					-	-	-	-											

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
resorcinol/alcohol G Phenols 50% 20°C					-	-	-	-											
salicylic acid G Organic acids 1% 20°C																		+	+
salicylic acid G Organic acids 100% 20°C					-	-	-	-										+	+
sea water 100% 100°C											+	+	+	+	+	+			
silicic acid G Inorganic acids 100% 20°C					+	+	+	+											
silicon oil 100% 20°C			+	+														+	+
silicon oil 100% 80°C					+	+	+	+											
silver nitrate G Inorganic salts 50% 20°C					+	+	+	+											
silver nitrate G Inorganic salts 100% 20°C					+	+	+	+											
Skydrol 500B 100% 20°C	x	(+)																	
Skydrol LD 100% 20°C	-	(+)																	
soap solution 1% 20°C			+	+															
soap solution 100% 20°C																		(+)	(+)
sodium acetate G Salts 10% 20°C			+	+	+	+	+	+											
sodium acetate G Salts 100% 20°C					+	+	+	+											
sodium acetate G Salts 100% 100°C											+	+	+	+	+	+			
sodium carbonate G Inorganic salts 10% 20°C					+	+	+	+										(+)	(+)
sodium carbonate G Inorganic salts 20% 20°C			+	+															
sodium carbonate G Inorganic salts 20% 80°C					+	+	+	+											
sodium carbonate G Inorganic salts 100% 20°C					+	+	+	+											
sodium carbonate G Inorganic salts 100% 100°C											+	+	+	+	+	+			
sodium chlorate G Inorganic salts 5% 20°C					+	+	+	+											
sodium chlorate G Inorganic salts 10% 20°C					+	+	+	+											
sodium chlorate G Inorganic salts 50% 20°C					+	+	+	+											
sodium chloride G Inorganic salts 5% 80°C					+	+	+	+											
sodium chloride G Inorganic salts 10% 20°C			+	+	+	+	+	+										-	-

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
sodium chloride G Inorganic salts 100% 20°C					+	+	+	+											
sodium chloride G Inorganic salts 100% 100°C											+	+	+	+	+	+			
sodium cyanide G Inorganic salts 10% 20°C					+	+	+	+											
sodium cyanide G Inorganic salts 100% 20°C					+	+	+	+											
sodium dichromate G Inorganic salts 10% 20°C					+	+	+	+											
sodium disulfite G Inorganic salts 10% 20°C			+	+														+	+
sodium hydrogensulfate G Inorganic salts 5% 20°C					+	+	+	+											
sodium hydrogensulfate G Inorganic salts 10% 20°C			+	+	+	+	+	+											
sodium hydrogensulfate G Inorganic salts 50% 20°C					+	+	+	+											
sodium hydroxide G Inorganic alkalis 1% 20°C			+	+															
sodium hydroxide 5% 20°C																		(+)	(+)
sodium hydroxide G Inorganic alkalis 15% 100°C															+	+			
sodium hydroxide G Inorganic alkalis 30% 20°C									+	+									
sodium hydroxide G Inorganic alkalis 30% 100°C											+	+	+	+	+	+			
sodium hydroxide G Inorganic alkalis 50% 20°C			-	-															
sodium hydroxide 50% 20°C																		-	-
sodium hydroxide G Inorganic alkalis 50% 100°C											+	+	+	+	+	+			
sodium hydroxide G Inorganic alkalis 100% 20°C					+	+	+	+											
sodium hypochlorite G Inorganic salts 5% 20°C					+	+	+	+											
sodium hypochlorite G Inorganic salts 10% 20°C			+	+	+	+	+	+											
sodium hypochlorite G Inorganic salts 20% 100°C											+	+	+	+					
sodium hypochlorite G Inorganic salts 30% 20°C					+	+	+	+											
sodium hypochlorite G Inorganic salts 100% 20°C					+	+	+	+											
sodium lactate G Salts 50% 20°C					+	+	+	+											
sodium metasilicate G Inorganic salts 10% 20°C					+	+	+	+											
sodium metasilicate G Inorganic salts 100% 20°C					+	+	+	+											

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Chemicals list

chemical / concentration / temperature	materials																	
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T
sodium nitrate G Inorganic salts					+	+	+	+									+	+
sodium nitrate G Inorganic salts					+	+	+	+										
sodium nitrite G Inorganic salts					+	+	+	+										
sodium nitrite G Inorganic salts					+	+	+	+										
sodium phosphite G Inorganic salts											+	+	+	+				
sodium salt G Inorganic salts					+	+	+	+										
sodium salt G Inorganic salts					+	+	+	+										
sodium sulfate G Inorganic salts					+	+	+	+										
sodium sulfate G Inorganic salts					+	+	+	+										
sodium sulfate G Inorganic salts											+	+	+	+				
sodium sulfide G Inorganic salts					+	+	+	+										
sodium sulfide G Inorganic salts					+	+	+	+										
sodium sulfide G Inorganic salts					+	+	+	+										
sodium sulfide G Inorganic salts					+	+	+	+			+	+	+	+	+	+		
sodium sulfite G Inorganic salts					+	+	+	+										
sodium sulfite G Inorganic salts					+	+	+	+										
sodium thiosulfate G Inorganic salts					+	+	+	+									+	+
sodium thiosulfate G Inorganic salts					+	+	+	+										
sodium thiosulfate G Inorganic salts					+	+	+	+										
sodium thiosulfate G Inorganic salts											+	+	+	+	+	+		
sodium, hot					+	+	+	+										
sodium, hot					+	+	+	+										
sodium, hot					+	+	+	+										
sodium, hot					+	+	+	+										
sodium, molten G Other inorganic chemicals					-	-	-	-										
sodium-o- phosphate, tertiary G Inorganic salts					+	+	+	+										

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
sodium-o- phosphate,tertiary G Inorganic salts 50% 20°C					+	+	+	+											
sodium-o- phosphate,tertiary G Inorganic salts 100% 100°C											+	+	+	+					
softeners G Other inorganic chemicals 100% 20°C					+	+	+	+											
solvents 100% 100°C											+	+	+	+	+	+			
steam,water vapor G Other inorganic chemicals 100% 100°C					+	+	+	+											
steam,water vapor G Other inorganic chemicals 100% 120°C									(+)	(+)									
steam,water vapor G Other inorganic chemicals 100% 140°C											+	+	+	+					
stearic acid G Organic acids 100% 20°C					+	+	+	+											
styrene G Aromatic hydrocarbons 100% 20°C																	+	+	
styrene G Aromatic hydrocarbons 100% 80°C					+	+	+	+											
sulfinol 100% 100°C											+	+	+	+	+	+			
sulfolane 100% 100°C											+	+	+	+					
sulfur dichloride G Other inorganic chemicals 100% 20°C					+	+	+	+											
sulfur dioxide G Other inorganic chemicals 100% 100°C											+	+	+	+	+	+			
sulfur dioxide (gaseous) 100% 200°C					+	+	+	+											
sulfur hexafluoride G Other inorganic chemicals 100% 20°C					+	+	+	+											
sulfur trioxide G Other inorganic chemicals 100% 20°C					+	+	+	+											
sulfuric acid G Inorganic acids 1% 20°C					+	+	+	+	+	+								+	+
sulfuric acid G Inorganic acids 5% 20°C			+	+	+	+	+	+	+	+									
sulfuric acid G Inorganic acids 10% 20°C					+	+	+	+	+	+									
sulfuric acid G Inorganic acids 20% 20°C					+	+	+	+	+	+									
sulfuric acid G Inorganic acids 30% 20°C	+	+	+	+	+	+	+	+	+	+									
sulfuric acid G Inorganic acids 30% 100°C											+	+	+	+	+	+			
sulfuric acid G Inorganic acids 40% 20°C					+	+	+	+	+	+									
sulfuric acid G Inorganic acids 50% 80°C									+	+									
sulfuric acid G Inorganic acids 50% 100°C											+	+	+	+	+	+			

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
sulfuric acid G Inorganic acids					(+)	(+)	(+)	(+)											
sulfuric acid G Inorganic acids			-	-															
sulfuric acid G Inorganic acids											(+)	(+)	(+)	(+)	+	+			
sulfuric acid G Inorganic acids	x	x															-	-	
sulfurous acid G Inorganic acids					+	+	+	+											
sulfurous acid G Inorganic acids					+	+	+	+											
sulfuryl chloride G Other inorganic chemicals					+	+	+	+											
sulphur G Other inorganic chemicals					+	+	+	+											
tannic acid G Organic acids					+	+	+	+											
tar					+	+	+	+									+	+	
tartaric acid G Organic acids					+	+	+	+											
tartaric acid G Organic acids					+	+	+	+											
tartaric acid G Organic acids					+	+	+	+											
tartaric acid G Organic acids					+	+	+	+									+	+	
tetrachloroethylene G Halogenated hydrocarbons			+	+	+	+	+	+	+	+									
tetrachloroethylene G Halogenated hydrocarbons											+	+	+	+					
tetraethyl lead G Organometallic compounds					+	+	+	+											
tetrafluoropropanol G Alcohols					+	+	+	+											
tetrahydrofurane G Ether			(+)	(+)	+	+	+	+									+	+	
tetrahydrofurane G Ether											+	+	+	+	+	+			
tetralin G Aromatic hydrocarbons																	+	+	
thionyl chloride G Other inorganic chemicals					+	+	+	+											
thiophene					+	+	+	+											
tincture iodine G Halogens					(+)	(+)	(+)	(+)											
tincture iodine G Halogens																	+	+	
toluene G Aromatic hydrocarbons			+	+	+	+	+	+	-	-							+	+	

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Chemicals list

chemical / concentration / temperature	materials																	
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T
toluene G Aromatic hydrocarbons											+	+	+	+	+	+		
tomato juice											+	+	+	+	+	+		
transformer oil																	+	+
transformer oils			+	+														
transformer oils					+	+	+	+										
tributyl phosphate G Ester					+	+	+	+										
trichloroacetic acid G Organic acids					(+)	(+)	(+)	(+)										
trichloroacetic acid G Organic acids					(+)	(+)	(+)	(+)										
trichloroacetic acid G Organic acids											+	+	+	+	+	+		
trichlorobenzene G Halogenated aromatic hydrocarbons					-	-	-	-										
trichloroethylene G Halogenated hydrocarbons			(+)	(+)	+	+	+	+	-	-								
trichloroethylene G Halogenated hydrocarbons											(+)	(+)	(+)	(+)	+	+		
trichlorophenol G Phenols					-	-	-	-										
tricresyl phosphate G Ester					(+)	(+)	(+)	(+)										
triethanolamine G Alcohols					+	+	+	+										
triethyl phosphate G Ester					+	+	+	+	(+)	(+)								
triethyl phosphate G Ester											+	+	+	+	+	+		
triethylamine G Amines					+	+	+	+										
trimethylamine G Amines					+	+	+	+										
turpentine			+	+														
turpentine											+	+	+	+	+	+		
turpentine substitutes			+	+														
urea G Carbamide					+	+	+	+										
urea G Carbamide					+	+	+	+										
urea G Carbamide					+	+	+	+									+	+
uric acid					+	+	+	+										

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Chemicals list

chemical / concentration / temperature	materials																		
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T	
urine 100% 20°C					+	+	+	+											
vaseline G Other hydrocarbons 100% 20°C			+	+	+	+	+	+										+	+
vegetable and mineral oils 100% 20°C			+	+	+	+	+	+											
vegetable and mineral oils 100% 100°C											+	+	+	+	+	+			
vegetable oils 100% 20°C			+	+															
vinegar G Organic acids 5% 20°C									+	+									
vinegar G Organic acids 10% 20°C			+	+					+	+									
vinegar G Organic acids 20% 20°C									+	+									
vinegar G Organic acids 70% 20°C									+	+									
vinegar G Organic acids 95% 20°C									-	-									
vinegar G Organic acids 100% 20°C			(+)	(+)	+	+	+	+											
vinegar G Organic acids 100% 100°C											+	+	+	+	+	+			
vinyl acetate G Ester 100% 20°C					+	+	+	+											
vinyl bromide G Halogenated hydrocarbons 100% 80°C					+	+	+	+											
vinyl chloride G Halogenated hydrocarbons 100% 20°C					+	+	+	+											
waste gas with hydrogen fluoride 10% 20°C			(+)	(+)															
waste gas with hydrogen fluoride 10% 100°C											+	+	+	+					
water G Other inorganic chemicals 100% 20°C			+	+	+	+	+	+	+	+							+	+	
water, chlorinated G Other inorganic chemicals 100% 20°C					+	+	+	+	+	+									
Water, distilled G Other inorganic chemicals 100% 20°C					+	+	+	+	+	+									
water, ion free 100% 100°C									+	+	+	+	+	+	+	+			
Water, mineral free G Other inorganic chemicals 100% 20°C					+	+	+	+	+	+									
wax, molten 100% 20°C																	+	+	
white spirits 100% 20°C					+	+	+	+											
wine G Other inorganic chemicals 100% 20°C					+	+	+	+									+	+	
xylene G Aromatic hydrocarbons 100% 20°C			+	+	+	+	+	+	(+)	(+)							+	+	

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Chemicals list

chemical / concentration / temperature	materials																	
	ZX-100EL55	ZX-100EL63	ZX-100K	ZX-100MT	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD3	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5KF	ZX-750V5T
xylene G Aromatic hydrocarbons 100% 100°C											+	+	+	+	+			
zinc (II) salts G Inorganic salts 10% 20°C					+	+	+	+										
zinc (II) salts G Inorganic salts 50% 20°C					+	+	+	+										
zinc chloride G Inorganic salts 5% 20°C					+	+	+	+	+	+								
zinc chloride G Inorganic salts 10% 20°C					+	+	+	+	+	+							+	+
zinc chloride G Inorganic salts 40% 20°C					+	+	+	+										
zinc chloride G Inorganic salts 50% 20°C					+	+	+	+										
zinc chloride G Inorganic salts 100% 20°C					+	+	+	+										
zinc chloride G Inorganic salts 100% 100°C											+	+	+	+	+	+		
zinc sulfate G Inorganic salts 100% 20°C					+	+	+	+										

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