



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. ■

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

□ Not tested

ZX-100MnI	ZX-324	ZX-324V1T	ZX-324V2T	ZX-324VMIT	ZX-410	ZX-410V7T	ZX-530	ZX-530CD8	ZX-530EL3	ZX-530KF15	ZX-550	ZX-550PV	ZX-750V5T	ZX-750V5KF
	+	+	+	+			+	+	+	+				
	+	+	+	+										
	+	+	+	+										
	+	+	+	+										
	+	+	+	+										
	(+)	(+)	(+)	(+)										
							+	+	+	+				
	-	-	-	-										
	+	+	+	+										
	+	+	+	+										
							+	+	+	+				
	+	+	+	+										
	x	x	x	x										
	+	+	+	+										
	+	+	+	+	+	+								
	+	+	+	+										

Extract from "Chemicals list"

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	100%	20°C					+	+	+	+										
1,1,1-trichloroethane G Halogenated hydrocarbons	100%	40°C									-	-								
1,1,2,2-tetrachloroethane G Halogenated hydrocarbons	100%	20°C					(+)	(+)	(+)	(+)										
1,1,2-trichloro-1,2,2-trifluoroethane G Halogenated hydrocarbons	100%	20°C					+	+	+	+										
1,1-dichloroethylene G Halogenated hydrocarbons	100%	20°C					+	+	+	+										
1,2,3,4-tetrahydronaphthalene G Aromatic hydrocarbons	100%	20°C					+	+	+	+										
1,2-dichloroethane G Halogenated hydrocarbons	100%	20°C			-	-	+	+	+	+										
1,2-dichloroethane G Halogenated hydrocarbons	100%	100°C										+	+	+	+					
1,3-butanediol G Alcohols / glycols	100%	20°C					+	+	+	+										
1,4-dioxane G Ether	100%	20°C			+	+	+	+	+	+									+	+
1,4-dioxane G Ether	100%	100°C										+	+	+	+	+	+			
1-butanol G Alcohols / glycols	100%	20°C			(+)	(+)	+	+	+	+	+	+								
1-butanol G Alcohols / glycols	100%	100°C										+	+	+	+					
1-butylamine G Amines	100%	20°C					+	+	+	+										
1-butylamine G Amines	100%	100°C										(+)	(+)	(+)	(+)	+	+			
1-chloro1,1-difluoroethane G Halogenated hydrocarbons	100%	20°C					+	+	+	+										
1-hexanol G Alcohols / glycols	100%	20°C					+	+	+	+	+	+								
1-propanol G Alcohols / glycols	100%	20°C									+	+								
2,2,2-trichloroethanol G Alcohols / glycols	100%	20°C					+	+	+	+										
2,2,2-trifluoroethanol G Alcohols / glycols	100%	20°C					+	+	+	+										
2-chloroethanol G Alcohols / glycols	100%	20°C					+	+	+	+										
2-pentanol G Alcohols	100%	20°C					+	+	+	+										
2-pentanol G Alcohols	100%	100°C										+	+	+	+	+	+			
acetaldehyde G Aldehydes / ketones	40%	20°C					+	+	+	+										
acetaldehyde G Aldehydes / ketones	100%	20°C					+	+	+	+	-	-								
acetaldehyde G Aldehydes / ketones	100%	100°C											+	+	+	+	+	+		

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	50%	20°C					+	+	+	+										
acetic acid G Organic acids	5%	20°C	+	(+)			+	+	+	+	+	+							+	+
acetic acid G Organic acids	10%	20°C			+	+	+	+	+	+	+								+	+
acetic acid G Organic acids	20%	20°C					+	+	+	+	+									
acetic acid G Organic acids	30%	20°C					+	+	+	+										
acetic acid G Organic acids	50%	20°C					+	+	+	+										
acetic acid G Organic acids	70%	20°C									+	+								
acetic acid G Organic acids	95%	20°C					+	+	+	+	-	-								
acetic acid G Organic acids	100%	20°C	x	x	(+)	(+)	+	+	+	+										
acetic acid	100%	20°C																	(+)	(+)
acetic acid G Organic acids	100%	100°C										+	+	+	+	+	+			
acetic anhydride G Acid anhydride	100%	100°C										+	+	+	+					
acetone G Ketones	5%	20°C					+	+	+	+										
acetone G Ketones	10%	20°C					+	+	+	+										
acetone G Ketones	50%	20°C					+	+	+	+	(+)	(+)								
acetone G Ketones	100%	20°C	-	-	+	+	+	+	+	+	-	-							+	+
acetone G Ketones	100%	100°C										+	+	+	+	+	+			
acetonitrile G Nitrile	100%	20°C					+	+	+	+										
acetonitrile G Nitrile	100%	100°C										+	+	+	+	+	+			
acetophenone G Aromatic ketones	100%	20°C					+	+	+	+										
acetyl chloride G Acyl halides	100%	20°C					+	+	+	+										
acetyl chloride G Acyl halides	100%	100°C										+	+	+	+	+	+			
acetylene G Hydrocarbons, acetylene	100%	20°C					+	+	+	+										
acrylic acid G Organic acids	100%	20°C					+	+	+	+										
acrylonitrile G Nitrile	100%	20°C					+	+	+	+										
a-diisobutylene	100%	100°C										+	+	+	+	+	+			

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Chemicals list

			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	
chemical / concentration / temperature																					
air (liquid) G Other inorganic chemicals	100%	-180°C						+	+	+	+										
allyl alcohol G Alcohols	100%	20°C						+	+	+	+										
allyl chloride G Halogenated hydrocarbons	100%	20°C						+	+	+	+										
aluminium hydroxide G Inorganic alkalis	100%	20°C						+	+	+	+										
aluminium sulphate G Inorganic salts	5%	20°C						+	+	+	+										
aluminium sulphate G Inorganic salts	100%	20°C						+	+	+	+										
aluminum chloride G Inorganic salts	10%	20°C						+	+	+	+										
aluminum chloride G Inorganic salts	100%	20°C						+	+	+	+										
aluminum chloride G Inorganic salts	100%	100°C											+	+	+	+	+	+			
aluminum fluoride G Inorganic salts	100%	20°C						+	+	+	+										
amino acids G Amino acids	100%	20°C						+	+	+	+										
ammonia G Inorganic alkalis	10%	20°C																	-	-	
ammonia G Inorganic alkalis	20%	20°C						+	+	+	+										
ammonia G Inorganic alkalis	100%	20°C						+	+	+	+										
ammonia G Inorganic alkalis	100%	100°C											+	+	+	+	+	+			
ammonium acetate G Salts	100%	20°C						+	+	+	+										
ammonium bicarbonate G Inorganic salts	100%	20°C						+	+	+	+										
ammonium carbonate G Inorganic salts	10%	20°C						+	+	+	+										
ammonium carbonate G Inorganic salts	50%	100°C						+	+	+	+										
ammonium carbonate G Inorganic salts	100%	20°C						+	+	+	+										
ammonium chloride G Inorganic salts	10%	20°C						+	+	+	+										
ammonium chloride G Inorganic salts	30%	20°C						+	+	+	+										
ammonium chloride G Inorganic salts	100%	20°C						+	+	+	+										
ammonium chloride G Inorganic salts	100%	100°C											+	+	+	+	+	+			
ammonium fluoride G Inorganic salts	100%	20°C						+	+	+	+										
ammonium hydrogen phosphate G Inorganic salts	100%	20°C						+	+	+	+										

G Group
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 (+) 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
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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			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	
chemical / concentration / temperature																					
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					+	+	+	+											
benzonitrile 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					-	-	-	-											
			G Group	+ Resistant	(+) Limited resistant	- Not resistant	x Soluble														

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
bromochloromethane G Halogenated hydrocarbons	100%	20°C					+	+	+	+										
butadiene -1,3 G Aliphatic hydrocarbons	100%	20°C					+	+	+	+										
butadiene -1,3 G Aliphatic hydrocarbons	100%	100°C										+	+	+	+	+	+			
butane G Aliphatic hydrocarbons	100%	20°C			+	+	+	+	+	+	+									
butene G Aliphatic hydrocarbons	100%	20°C					+	+	+	+										
butene G Aliphatic hydrocarbons	100%	100°C										+	+	+	+					
butyl acetate G Ester	100%	20°C			+	+	+	+	+	+	+							+	+	
butyl acetate G Ester	100%	100°C										+	+	+	+					
butyl glycol G Alcohols / glycols	100%	20°C					+	+	+	+										
butylene phthalate G Ester	100%	100°C										+	+	+	+					
butyric acid G Organic acids	20%	20°C					+	+	+	+										
butyric acid G Organic acids	100%	20°C					+	+	+	+										
butyrolactone G Lactones	100%	20°C					+	+	+	+										
calcium carbonate G Inorganic salts	100%	20°C					+	+	+	+										
calcium chloride G Inorganic salts	5%	20°C					+	+	+	+										
calcium chloride G Inorganic salts	10%	20°C			+	+	+	+	+	+								+	+	
calcium chloride G Inorganic salts	100%	20°C					+	+	+	+										
calcium chloride G Inorganic salts	100%	100°C										+	+	+	+	+	+			
calcium hydroxide G Inorganic alkalis	10%	20°C					+	+	+	+										
calcium hydroxide G Inorganic alkalis	100%	20°C					+	+	+	+										
calcium hypochlorite G Inorganic salts	100%	20°C			+	+	+	+	+	+										
calcium nitrate G Inorganic salts	100%	100°C										+	+	+	+	+	+			
calcium salts G Inorganic salts	100%	20°C					+	+	+	+										
calcium sulfate G Inorganic salts	100%	100°C										+	+	+	+	+	+			
camphor G Aldehydes / ketones	50%	20°C					+	+	+	+										
caprolactam G Amides	100%	120°C					(+)	(+)	(+)	(+)										

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	
carbon dioxide G Other inorganic chemicals	100%	20°C					+	+	+	+											
carbon dioxide G Other inorganic chemicals	100%	100°C											+	+	+	+	+	+			
carbon disulfide G Other inorganic chemicals	100%	20°C			+	+	+	+	+	+									+	+	
carbon disulfide G Other inorganic chemicals	100%	100°C											+	+	+	+	+	+			
carbon monoxide gas G Other inorganic chemicals	100%	200°C					+	+	+	+											
carbon tetrachloride G Halogenated hydrocarbons	100%	20°C			+	+	+	+	+	+	+	+							+	+	
carbon tetrachloride G Halogenated hydrocarbons	100%	100°C											+	+	+	+					
carbonic acid G Inorganic acids	10%	20°C					+	+	+	+											
carbonic acid G Inorganic acids	100%	20°C					+	+	+	+											
casein	100%	20°C					+	+	+	+											
castor oil	100%	20°C					+	+	+	+											
Castrol Universal brake- and clutch fluid	100%	140°C					+	+	+	+											
celluloseacetate G Ester	100%	20°C					+	+	+	+											
chloral hydrate	100%	20°C					+	+	+	+											
chloramine G Sulfonamides	10%	20°C					+	+	+	+											
chlorine G Halogens	100%	20°C					+	+	+	+											
chlorine G Halogens	100%	100°C											(+)	(+)	(+)	(+)	+	+			
chlorine (aqueous solution) G Halogens	10%	20°C					(+)	(+)	(+)	(+)											
chlorine (aqueous solution) G Halogens	100%	20°C					-	-	-	-											
chlorine, liquid G Halogens	100%	20°C					-	-	-	-											
chloroacetic acid G Organic acids	10%	20°C					+	+	+	+											
chloroacetic acid G Organic acids	100%	20°C					+	+	+	+											
chlorobenzene G Halogenated aromatic hydrocarbons	100%	20°C					+	+	+	+									+	+	
chlorobenzene G Halogenated aromatic hydrocarbons	100%	100°C											+	+	+	+	+	+			
chlorodifluoromethane G Halogenated hydrocarbons	100%	20°C					+	+	+	+											
chloroethane G Halogenated hydrocarbons	100%	20°C					+	+	+	+											

G

 Group

+

 Resistant

(+)

 Limited resistant

-

 Not resistant

x

 Soluble

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
chloroform G Halogenated hydrocarbons	100%	20°C			-	-	+	+	+	+	-	-							+	+
chloroform G Halogenated hydrocarbons	100%	100°C										+	+	+	+	+	+			
chloromethyl ether G Ether	100%	40°C					+	+	+	+										
chlorophenols G Phenols	5%	100°C										+	+	+	+					
chlorosulfonic acid G Inorganic acids	10%	20°C					+	+	+	+										
chlorosulfonic acid G Inorganic acids	50%	100°C					+	+	+	+										
chlorosulfonic acid G Inorganic acids	100%	20°C					+	+	+	+										
chlorosulfonic acid G Inorganic acids	100%	100°C										-	-	-	-	+	+			
chromic acid G Inorganic acids	1%	20°C					+	+	+	+	+	+								
chromic acid G Inorganic acids	10%	20°C					+	+	+	+	+	+								
chromic acid G Inorganic acids	20%	20°C					+	+	+	+										
chromic acid G Inorganic acids	40%	20°C		+	+		+	+	+	+										
chromic acid G Inorganic acids	50%	20°C					+	+	+	+										
chromic acid G Inorganic acids	100%	100°C										(+)	(+)	(+)	(+)	+	+			
chromic anhydride G Other inorganic chemicals	50%	100°C					-	-	-	-										
chromic anhydride G Other inorganic chemicals	95%	20°C									(+)	(+)								
chromic anhydride G Other inorganic chemicals	100%	20°C					+	+	+	+										
chromosulfuric acid G Inorganic acids	100%	100°C										+	+	+	+					
chromyl chloride G Other inorganic chemicals	100%	20°C					+	+	+	+										
citric acid G Organic acids	10%	20°C		+	+		+	+	+	+								+	+	
citric acid G Organic acids	20%	80°C					+	+	+	+										
citric acid G Organic acids	50%	20°C					+	+	+	+										
citric acid G Organic acids	100%	20°C									+	+								
cleaning materials	100%	100°C										+	+	+	+	+	+			
cobalt salts G Inorganic salts	20%	20°C					+	+	+	+										
coffee	100%	20°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
combustible (JP)	100%	100°C										+	+	+	+	+	+			
compressed air G Other inorganic chemicals	100%	20°C					+	+	+	+										
coolants (DIN 53521) G Other inorganic chemicals	100%	120°C					+	+	+	+										
copper chloride G Inorganic salts	5%	20°C					+	+	+	+										
copper chloride G Inorganic salts	50%	100°C					+	+	+	+										
copper chloride G Inorganic salts	100%	20°C					+	+	+	+										
copper fluoride G Inorganic salts	100%	20°C					+	+	+	+										
copper sulfate G Inorganic salts	1%	20°C					+	+	+	+										
copper sulfate G Inorganic salts	10%	20°C					+	+	+	+										
copper sulfate G Inorganic salts	100%	20°C					+	+	+	+										
copper sulfate G Inorganic salts	100%	100°C										+	+	+	+	+	+			
copper(II) salts G Inorganic salts	10%	20°C					+	+	+	+										
copper(II) salts G Inorganic salts	50%	20°C					+	+	+	+										
cotton seed oil	100%	-180°C									+	+								
cotton seed oil	100%	20°C		+	+															
cotton seed oil	100%	100°C										+	+	+	+	+	+			
cresol G Phenols	95%	20°C					-	-	-	-										
cresol G Phenols	100%	20°C		-	-															
cresol G Phenols	100%	100°C										+	+	+	+	+	+			
cresyl diphenyl phosphate G Ester	100%	100°C										+	+	+	+					
crude oil	100%	-180°C									+	+								
crude oil	100%	20°C					+	+	+	+										
crude oil	100%	100°C										+	+	+	+	+	+			
cyankali G Inorganic salts	100%	20°C					+	+	+	+										
cyclohexane G Hydrocarbons	100%	20°C					+	+	+	+	+	+						+	+	
cyclohexane G Hydrocarbons	100%	100°C										+	+	+	+	+	+			

G

Group

+

Resistant

(+)

Limited resistant

-

Not resistant

x

Soluble

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
cyclohexanol G Alcohols / glycols	100%	20°C					+	+	+	+	+	+								
cyclohexanol G Alcohols / glycols	100%	100°C											+	+	+	+	+	+		
cyclohexanone G Aldehydes / ketones	100%	20°C					+	+	+	+									+	+
cyclohexanone G Aldehydes / ketones	100%	100°C										+	+	+	+	+	+			
decahydronaphthalene G Hydrocarbons	100%	20°C					+	+	+	+										
decalin	100%	20°C																	+	+
detergents	100%	100°C										+	+	+	+	+	+			
detergents, synthetic	20%	20°C			+	+														
developer G Other inorganic chemicals	100%	20°C					+	+	+	+										
dextrin G Other hydrocarbons	100%	20°C					+	+	+	+										
D-glucose G Carbohydrate	100%	20°C					+	+	+	+										
dibutyl ether G Ether	100%	20°C					+	+	+	+										
dibutyl ether G Ether	100%	100°C										+	+	+	+					
dibutyl phthalate G Ester	100%	20°C			+	+	+	+	+	(+)	(+)									
dichloroacetic acid G Organic acids	50%	20°C					+	+	+	+										
dichloroacetic acid G Organic acids	100%	20°C					+	+	+	+										
dichloroacetic acid methyl ester G Ester	100%	20°C					+	+	+	+										
dichlorobenzene G Halogenated aromatic hydrocarbons	100%	20°C					+	+	+	+										
Dichlorodifluoromethane G Halogenated hydrocarbons	100%	20°C					+	+	+	+										
dichlorofluoromethane G Halogenated hydrocarbons	100%	60°C					(+)	(+)	(+)	(+)										
dichlorotetrafluoroethane G Halogenated hydrocarbons	100%	20°C					+	+	+	+										
diesel fuels (DIN 51601) G Other hydrocarbons	100%	20°C					+	+	+	+										
Diesel oil	100%	-180°C									+	+								
Diesel oil	100%	20°C			+	+													+	+
Diesel oil	100%	100°C										+	+	+	+	+	+			
diethyl ether G Ether	100%	20°C			+	+	+	+	+	+	+									

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	100%	100°C										+	+	+	+					
diethyl ketone G Aldehydes / ketones	100%	20°C					+	+	+	+										
diethylamine G Amines	100%	20°C					+	+	+	+										
diethylene glycol G Alcohols / glycols	100%	20°C					+	+	+	+										
diisobutyl ketone G Aldehydes / ketones	100%	20°C					+	+	+	+										
dimethyl ether G Ether	100%	20°C					+	+	+	+										
dimethyl sulfoxide G Sulfoxides	100%	100°C										+	+	+	+					
dimethyl terephthalate G Ester	100%	100°C										+	+	+	+	+	+			
dimethylamine G Amines	100%	20°C					+	+	+	+										
dimethylformamide G Amides	100%	20°C					+	+	+	+									(+)	(+)
dimethylformamide G Amides	100%	100°C										+	+	+	+	+	+			
dioctyl phthalate G Ester	100%	20°C					+	+	+	+	(+)	(+)								
dioctyl phthalate G Ester	100%	100°C										+	+	+	+	+	+			
diphenyl ether G Ether	100%	20°C					+	+	+	+										
diphenyl sulfone G Sulfoxes	100%	20°C					(+)	(+)	(+)	(+)										
dipropylene glycol G Alcohols / glycols	100%	20°C					+	+	+	+										
epichlorohydrin G Ether	100%	20°C					+	+	+	+										
epichlorohydrin G Ether	100%	100°C										+	+	+	+	+	+			
essential oils	100%	20°C					+	+	+	+										
Esso turbine Oil 2380	100%	-180°C									+	+								
Esso turbine Oil 2380	100%	20°C	(+)	+																
Esso turbine Oil 2389	100%	-180°C									+	+								
Esso turbine Oil 2389	100%	20°C	(+)	+																
ethane G Aliphatic hydrocarbons	100%	20°C					(+)	(+)	(+)	(+)										
ethanol G Alcohols / glycols	40%	20°C					+	+	+	+	+	+								
ethanol G Alcohols / glycols	95%	20°C					+	+	+	+	+	+								
G Group			+	Resistant			(+)	Limited resistant			-	Not resistant			x	Soluble				

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			+	+	+	+	+	+										

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	
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			+	+	+	+	+	+										+	+

G

Group

+

Resistant

(+)

Limited resistant

-

Not resistant

x

Soluble

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
heptane G Aliphatic hydrocarbons	100%	100°C										+	+	+	+	+	+		
hexachlorobenzene G Halogenated aromatic hydrocarbons	100%	80°C				+	+	+	+										
hexane G Aliphatic hydrocarbons	100%	20°C		+	+	+	+	+	+	+	+								
hexane G Aliphatic hydrocarbons	100%	100°C										+	+	+	+	+	+		
humic acids G Organic acids	100%	20°C				+	+	+	+										
hydraulic oils	100%	-180°C								+	+								
hydraulic oils	100%	20°C				+	+	+	+										
hydrazine G Hydrazine	100%	20°C				+	+	+	+										
hydrobromic acid G Halogens	1%	20°C				+	+	+	+										
hydrobromic acid G Halogens	100%	20°C				(+)	(+)	(+)	(+)										
hydrochloric acid G Inorganic acids	1%	20°C				+	+	+	+	+	+							+	+
hydrochloric acid G Inorganic acids	5%	20°C								+	+								
hydrochloric acid G Inorganic acids	10%	20°C		+	+	+	+	+	+	+	+								
hydrochloric acid G Inorganic acids	20%	20°C				+	+	+	+	+	+								
hydrochloric acid G Inorganic acids	20%	100°C										+	+	+	+	+	+		
hydrochloric acid G Inorganic acids	30%	20°C		-	-	+	+	+	+	+	+								
hydrochloric acid G Inorganic acids	30%	100°C										+	+	+	+				
hydrochloric acid G Inorganic acids	40%	20°C				+	+	+	+									-	-
hydrochloric acid G Inorganic acids	40%	100°C														+	+		
hydrochloric acid G Inorganic acids	100%	20°C				+	+	+	+	-	-								
hydrofluoric acid G Inorganic acids	5%	20°C		+	+	(+)	(+)	(+)	(+)										
hydrofluoric acid G Inorganic acids	30%	100°C										+	+	+	+	+	+		
hydrofluoric acid G Inorganic acids	50%	20°C		-	-	-	-	-	-										
hydrofluoric acid G Inorganic acids	100%	20°C				-	-	-	-										
hydrogen G Other inorganic chemicals	100%	20°C				+	+	+	+										
hydrogen G Other inorganic chemicals	100%	100°C										+	+	+	+	+	+		

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

Chemicals list

			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		
chemical / concentration / temperature																						
hydrogen cyanide G Inorganic acids	100%	20°C					+	+	+	+												
hydrogen iodide G Inorganic acids	50%	100°C					+	+	+	+												
hydrogen iodide G Inorganic acids	100%	20°C					+	+	+	+												
hydrogen peroxide G Other inorganic chemicals	1%	20°C					+	+	+	+												
hydrogen peroxide G Other inorganic chemicals	30%	20°C			+	+	+	+	+	+	+	+								-	-	
hydrogen peroxide G Other inorganic chemicals	30%	100°C										(+)	(+)	(+)	(+)							
hydrogen peroxide G Other inorganic chemicals	50%	20°C					+	+	+	+												
hydrogen peroxide G Other inorganic chemicals	100%	20°C					+	+	+	+												
hydrogen sulfide G Inorganic acids	100%	100°C										+	+	+	+	+	+					
hydrogen sulfide, dry G Inorganic acids	10%	20°C					+	+	+	+												
hydrogen sulfide, dry G Inorganic acids	100%	20°C					+	+	+	+												
ink	100%	20°C									+	+							+	+		
iodine G Halogens	100%	20°C					(+)	(+)	(+)	(+)												
iodoform G Halogenated hydrocarbons	50%	20°C					+	+	+	+												
iodoform G Halogenated hydrocarbons	100%	20°C					+	+	+	+												
iron(II) chloride G Inorganic salts	5%	20°C					+	+	+	+												
iron(II) chloride G Inorganic salts	10%	20°C					+	+	+	+												
iron(II) chloride G Inorganic salts	100%	20°C					+	+	+	+												
iron(II) sulfate G Inorganic salts	100%	20°C					+	+	+	+												
iron(III) chloride G Inorganic salts	5%	20°C					+	+	+	+	+	+										
iron(III) chloride G Inorganic salts	10%	20°C					+	+	+	+												
iron(III) chloride G Inorganic salts	50%	100°C					(+)	(+)	(+)	(+)												
iron(III) chloride G Inorganic salts	100%	20°C					+	+	+	+												
iron(III) chloride G Inorganic salts	100%	100°C										+	+	+	+	+	+					
isobutanol G Alcohols / glycols	100%	20°C					+	+	+	+												
isobutyl acetate G Ester	100%	20°C					+	+	+	+	(+)	(+)										
			G Group	+ Resistant	(+) Limited resistant	- Not resistant	x Soluble															

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
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					+	+	+	+	+	+								

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

Chemicals list

		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	
chemical / concentration / temperature																				
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					+	+	+	+	(+)	(+)									
		G Group	+	(+)	-	x														

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
methyl bromide G Halogenated hydrocarbons	100%	20°C					+	+	+	+										
methyl chloride G Halogenated hydrocarbons	100%	20°C					+	+	+	+										
methyl ethyl ketone G Aldehydes / ketones	20%	20°C					+	+	+	+										
methyl ethyl ketone G Aldehydes / ketones	100%	20°C			+	+	+	+	+	-	-								+	+
methyl ethyl ketone G Aldehydes / ketones	100%	100°C										+	+	+	+	+	+			
methyl isobutyl ketone G Aldehydes / ketones	100%	20°C					+	+	+	+										
methyl isobutyl ketone G Aldehydes / ketones	100%	100°C										+	+	+	+	+	+			
methylamine G Amines	100%	20°C					+	+	+	+										
methylene chloride G Halogenated hydrocarbons	100%	20°C			-	-	+	+	+	+	x	x							+	+
methylglycol G Alcohols / glycols, ether	100%	20°C					+	+	+	+	-	-								
milk	100%	20°C																	+	+
mineral oil G Other hydrocarbons	100%	20°C	-	(+)	+	+	+	+	+											
mineral oil G Other hydrocarbons	100%	100°C										+	+	+	+					
moist heat sterilisation G Other inorganic chemicals	100%	120°C					+	+	+	+	+	+								
morpholine G Amines, ether	100%	20°C					+	+	+	+										
morpholine G Amines, ether	100%	100°C										(+)	(+)	(+)	(+)	+	+			
motor oil G Other hydrocarbons	100%	-180°C									+	+								
motor oil G Other hydrocarbons	100%	100°C										+	+	+	+					
motor oil G Other hydrocarbons	100%	120°C					+	+	+	+										
moulds (MIL-T-18404/ 4.4.8) G Other inorganic chemicals	100%	20°C					+	+	+	+										
N,N-dimethylacetamide G Amides	100%	20°C					+	+	+	+										
N,N-dimethylaniline G Amines	100%	100°C										+	+	+	+	+	+			
naphta	100%	20°C					+	+	+	+	+	+								
naphthalene G Aromatic hydrocarbons	100%	20°C					+	+	+	+										
naphthalene-sulfonic acid G Organic acids	100%	20°C					-	-	-	-										
natural gas G Other hydrocarbons	100%	20°C					+	+	+	+										

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

Chemicals list

			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
chemical / concentration / temperature																				
neon	100%	20°C					+	+	+	+										
Other inorganic chemicals																				
nickel salt	10%	20°C					+	+	+	+										
Inorganic salts																				
nickel salt	100%	20°C					+	+	+	+										
Inorganic salts																				
nitric acid	1%	20°C									+	+								
Inorganic acids																				
nitric acid	5%	20°C					+	+	+	+	+	+								
Inorganic acids																				
nitric acid	10%	20°C			+	+	+	+	+	+	+	+								
Inorganic acids																				
nitric acid	10%	100°C										+	+	+	+	+	+			
Inorganic acids																				
nitric acid	20%	20°C					+	+	+	+										
Inorganic acids																				
nitric acid	30%	20°C					(+)	(+)	(+)	(+)										
Inorganic acids																				
nitric acid	30%	100°C										(+)	(+)	(+)	(+)	+	+			
Inorganic acids																				
nitric acid	40%	20°C			-	-														
Inorganic acids																				
nitric acid	50%	20°C					(+)	(+)	(+)	(+)										
Inorganic acids																				
nitric acid	70%	20°C					(+)	(+)	(+)	(+)										
Inorganic acids																				
nitric acid	95%	20°C					-	-	-	-										
Inorganic acids																				
nitric acid	100%	100°C										(+)	(+)	(+)	(+)	+	+			
Inorganic acids																				
nitrobenzene	100%	20°C					+	+	+	+									+	+
Aromatic nitro compounds																				
nitrobenzene	100%	100°C										+	+	+	+	+	+			
Aromatic nitro compounds																				
nitrogen	100%	20°C					+	+	+	+										
Other inorganic chemicals																				
nitrogen	100%	100°C										+	+	+	+	+	+			
Other inorganic chemicals																				
nitrogen (200 bar)	100%	20°C					+	+	+	+										
Other inorganic chemicals																				
nitrogen oxide	100%	20°C					+	+	+	+										
Other inorganic chemicals																				
nitromethane	100%	20°C					+	+	+	+										
Aliphatic nitro compounds																				
nitromethane	100%	100°C										+	+	+	+					
Aliphatic nitro compounds																				
nitrotoluene	100%	20°C					+	+	+	+										
Aromatic nitro compounds																				
nitrous acid	10%	20°C					+	+	+	+										
Inorganic acids																				
N-methylaniline	100%	20°C					+	+	+	+										
Aromatic amines																				
G Group			+ Resistant			(+) Limited resistant			- Not resistant			x Soluble								

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
N-methylpyrrolidone G Amides	100%	20°C					+	+	+	+										
octane G Aliphatic hydrocarbons	100%	20°C					+	+	+	+	+	+								
octenes G Aliphatic hydrocarbons	100%	20°C					+	+	+	+										
oil of turpentine	100%	20°C					+	+	+	+										
oleic acid G Organic acids	100%	20°C			+	+	+	+	+	+										
oleum G Inorganic acids	100%	20°C					x	x	x	x										
olive oil	100%	20°C			+	+														
oxalic acid G Organic acids	10%	20°C					+	+	+	+									+	+
oxalic acid G Organic acids	20%	20°C					+	+	+	+										
oxalic acid G Organic acids	50%	100°C					+	+	+	+										
oxalic acid G Organic acids	100%	20°C					+	+	+	+										
oxygen G Other inorganic chemicals	100%	20°C					+	+	+	+										
oxygen under pressure G Other inorganic chemicals	100%	20°C					+	+	+	+										
ozone G Other inorganic chemicals	100%	20°C					+	+	+	+									(+)	(+)
ozone (rarefied with air) G Other inorganic chemicals	1%	40°C					+	+	+	+										
palmitic acid G Organic acids	100%	20°C					+	+	+	+										
paraffin oil G Other hydrocarbons	100%	20°C					+	+	+	+									+	+
paraffine G Aliphatic hydrocarbons	100%	20°C					+	+	+	+										
pentanes G Aliphatic hydrocarbons	100%	20°C					+	+	+	+										
perchloric acid G Inorganic acids	10%	20°C					+	+	+	+										
perchloric acid G Inorganic acids	70%	100°C					+	+	+	+										
perchloric acid G Inorganic acids	100%	20°C					+	+	+	+										
petrol	100%	20°C			+	+													+	+
petrol	100%	100°C											+	+	+	+	+	+		
petrol, sour	100%	20°C					+	+	+	+										
petrol, unleaded G Other hydrocarbons	100%	20°C					+	+	+	+										

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

Chemicals list

			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		
chemical / concentration / temperature																						
petrol,normal (DIN 53521) G Other hydrocarbons	100%	80°C					+	+	+	+	(+)	(+)										
petrol,super (DIN 53521) G Other hydrocarbons	100%	60°C					+	+	+	+												
petrol,super (DIN 53521) G Other hydrocarbons	100%	80°C									(+)	(+)										
petroleum G Other hydrocarbons	100%	20°C			+	+													+	+		
petroleum G Other hydrocarbons	100%	100°C											+	+	+	+	+	+				
petroleum ether G Other hydrocarbons	100%	20°C					+	+	+	+												
phenol G Phenols	5%	20°C					+	+	+	+												
phenol G Phenols	95%	20°C					(+)	(+)	(+)	(+)	-	-										
phenol G Phenols	100%	20°C			(+)	(+)													+	+		
phenol G Phenols	100%	40°C					-	-	-	-	-	-										
phenol G Phenols	100%	100°C											+	+	+	+	+	+				
phenol cc. G Phenols	100%	20°C					-	-	-	-												
phosphoric acid G Inorganic acids	1%	20°C					+	+	+	+	+	+										
phosphoric acid G Inorganic acids	5%	20°C									+	+										
phosphoric acid G Inorganic acids	10%	20°C					+	+	+	+	+	+										
phosphoric acid G Inorganic acids	20%	20°C					+	+	+	+												
phosphoric acid G Inorganic acids	30%	20°C									+	+										
phosphoric acid G Inorganic acids	50%	20°C					+	+	+	+												
phosphoric acid G Inorganic acids	50%	200°C									-	-										
phosphoric acid G Inorganic acids	70%	20°C			+	+	+	+	+	+	-	-										
phosphoric acid G Inorganic acids	100%	20°C																	(+)	(+)		
phosphoric acid G Inorganic acids	100%	100°C											+	+	+	+	+	+				
phosphorus trichlorides G Other inorganic chemicals	100%	20°C					+	+	+	+												
phosphorus trichlorides G Other inorganic chemicals	100%	100°C											+	+	+	+	+	+				
phthalic acid G Organic acids	50%	20°C					+	+	+	+												
phthalic acid G Organic acids	100%	20°C					+	+	+	+												
			G Group	+ Resistant	(+) Limited resistant	- Not resistant	x Soluble															

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					+	+	+	+										

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

Chemicals list

			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		
chemical / concentration / temperature																						
potassium perchlorate G Inorganic salts	100%	20°C					+	+	+	+												
potassium permanganate G Inorganic salts	1%	20°C					+	+	+	+									+	+		
potassium permanganate G Inorganic salts	10%	20°C			+	+	+	+	+	+												
potassium permanganate G Inorganic salts	30%	80°C					+	+	+	+												
potassium permanganate G Inorganic salts	100%	20°C					+	+	+	+												
potassium permanganate G Inorganic salts	100%	100°C										+	+	+	+	+	+					
potassium persulfate G Inorganic salts	100%	20°C					+	+	+	+												
potassium sulfate G Inorganic salts	5%	20°C					+	+	+	+												
potassium sulfate G Inorganic salts	100%	20°C					+	+	+	+												
potassium sulphide G Inorganic salts	50%	20°C					+	+	+	+												
propane G Aliphatic hydrocarbons	100%	20°C					+	+	+	+												
propanols	100%	20°C																	+	+		
propene G Aliphatic hydrocarbons	100%	20°C					+	+	+	+												
propionic acid G Organic acids	5%	20°C					+	+	+	+												
propionic acid G Organic acids	10%	20°C					+	+	+	+									(+)	(+)		
propionic acid G Organic acids	50%	20°C					+	+	+	+												
propyl acetate G Ester	100%	20°C					+	+	+	+	(+)	(+)										
propylene chlorohydrin G Alcohols / glycols	100%	100°C										+	+	+	+	+	+					
propylene glycol G Alcohols / glycols	100%	20°C					+	+	+	+	+	+										
pyridine G Amines	100%	20°C					+	+	+	+									-	-		
pyridine G Amines	100%	100°C										+	+	+	+	+	+					
pyrogallol G Phenols	50%	20°C					-	-	-	-												
pyrogallol G Phenols	100%	20°C					-	-	-	-												
radiation 25kGy - for 6 hours	100%	20°C					+	+	+	+												
rare gases (argon, helium, neon,...) G Other inorganic chemicals	100%	20°C					+	+	+	+												
resorcinol G Phenols	100%	20°C					-	-	-	-												
			G Group	+ Resistant	(+) Limited resistant	- Not resistant	x Soluble															

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
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			+	+	+	+	+	+									-	-

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
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					+	+	+	+										

G

 Group

+

 Resistant

(+)

 Limited resistant

-

 Not resistant

x

 Soluble

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
sodium nitrate G Inorganic salts	10%	20°C					+	+	+	+									+	+
sodium nitrate G Inorganic salts	50%	20°C					+	+	+	+										
sodium nitrite G Inorganic salts	10%	20°C					+	+	+	+										
sodium nitrite G Inorganic salts	50%	20°C					+	+	+	+										
sodium phosphite G Inorganic salts	100%	100°C										+	+	+	+					
sodium salt G Inorganic salts	10%	20°C					+	+	+	+										
sodium salt G Inorganic salts	50%	20°C					+	+	+	+										
sodium sulfate G Inorganic salts	10%	20°C					+	+	+	+										
sodium sulfate G Inorganic salts	100%	20°C					+	+	+	+										
sodium sulfate G Inorganic salts	100%	100°C										+	+	+	+					
sodium sulfide G Inorganic salts	5%	20°C					+	+	+	+										
sodium sulfide G Inorganic salts	10%	20°C					+	+	+	+										
sodium sulfide G Inorganic salts	95%	20°C					+	+	+	+										
sodium sulfide G Inorganic salts	100%	100°C										+	+	+	+	+	+			
sodium sulfite G Inorganic salts	5%	20°C					+	+	+	+										
sodium sulfite G Inorganic salts	10%	20°C					+	+	+	+										
sodium thiosulfate G Inorganic salts	10%	20°C					+	+	+	+									+	+
sodium thiosulfate G Inorganic salts	20%	20°C					+	+	+	+										
sodium thiosulfate G Inorganic salts	50%	20°C					+	+	+	+										
sodium thiosulfate G Inorganic salts	100%	100°C										+	+	+	+	+	+			
sodium, hot	10%	20°C					+	+	+	+										
sodium, hot	40%	20°C					+	+	+	+										
sodium, hot	50%	20°C					+	+	+	+										
sodium, hot	100%	20°C					+	+	+	+										
sodium, molten G Other inorganic chemicals	100%	20°C					-	-	-	-										
sodium-o- phosphate,tertiary G Inorganic salts	10%	20°C					+	+	+	+										

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

Chemicals list

			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
chemical / concentration / temperature																				
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											+	+	+	+	+	+		

G

 Group

+

 Resistant

(+)

 Limited resistant

-

 Not resistant

x

 Soluble

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
sulfuric acid G Inorganic acids	50%	200°C					(+)	(+)	(+)	(+)										
sulfuric acid G Inorganic acids	95%	20°C			-	-														
sulfuric acid G Inorganic acids	95%	100°C										(+)	(+)	(+)	(+)	+	+			
sulfuric acid G Inorganic acids	100%	20°C	x	x															-	-
sulfurous acid G Inorganic acids	10%	20°C					+	+	+	+										
sulfurous acid G Inorganic acids	100%	20°C					+	+	+	+										
sulfuryl chloride G Other inorganic chemicals	100%	20°C					+	+	+	+										
sulphur G Other inorganic chemicals	100%	20°C					+	+	+	+										
tannic acid G Organic acids	100%	20°C					+	+	+	+										
tar	100%	20°C					+	+	+	+									+	+
tartaric acid G Organic acids	5%	20°C					+	+	+	+										
tartaric acid G Organic acids	10%	20°C					+	+	+	+										
tartaric acid G Organic acids	50%	20°C					+	+	+	+										
tartaric acid G Organic acids	100%	20°C					+	+	+	+									+	+
tetrachloroethylene G Halogenated hydrocarbons	100%	20°C			+	+	+	+	+	+	+	+								
tetrachloroethylene G Halogenated hydrocarbons	100%	100°C										+	+	+	+					
tetraethyl lead G Organometallic compounds	100%	20°C					+	+	+	+										
tetrafluoropropanol G Alcohols	100%	20°C					+	+	+	+										
tetrahydrofurane G Ether	100%	20°C			(+)	(+)	+	+	+	+									+	+
tetrahydrofurane G Ether	100%	100°C										+	+	+	+	+	+			
tetralin G Aromatic hydrocarbons	100%	20°C																	+	+
thionyl chloride G Other inorganic chemicals	100%	20°C					+	+	+	+										
thiophene	100%	20°C					+	+	+	+										
tincture iodine G Halogens	10%	20°C					(+)	(+)	(+)	(+)										
tincture iodine G Halogens	100%	20°C																	+	+
toluene G Aromatic hydrocarbons	100%	20°C			+	+	+	+	+	+	-	-							+	+

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
toluene G Aromatic hydrocarbons	100%	100°C										+	+	+	+	+	+			
tomato juice	100%	100°C										+	+	+	+	+	+			
transformer oil	100%	20°C																+	+	
transformer oils	100%	20°C			+	+														
transformer oils	100%	40°C					+	+	+	+										
tributyl phosphate G Ester	100%	20°C					+	+	+	+										
trichloroacetic acid G Organic acids	50%	20°C					(+)	(+)	(+)	(+)										
trichloroacetic acid G Organic acids	100%	20°C					(+)	(+)	(+)	(+)										
trichloroacetic acid G Organic acids	100%	100°C										+	+	+	+	+	+			
trichlorobenzene G Halogenated aromatic hydrocarbons	100%	20°C					-	-	-	-										
trichloroethylene G Halogenated hydrocarbons	100%	20°C			(+)	(+)	+	+	+	+	-	-								
trichloroethylene G Halogenated hydrocarbons	100%	100°C										(+)	(+)	(+)	(+)	+	+			
trichlorophenol G Phenols	100%	20°C					-	-	-	-										
tricresyl phosphate G Ester	100%	20°C					(+)	(+)	(+)	(+)										
triethanolamine G Alcohols	100%	20°C					+	+	+	+										
triethyl phosphate G Ester	100%	20°C					+	+	+	+	(+)	(+)								
triethyl phosphate G Ester	100%	100°C										+	+	+	+	+	+			
triethylamine G Amines	100%	20°C					+	+	+	+										
trimethylamine G Amines	100%	20°C					+	+	+	+										
turpentine	100%	20°C			+	+														
turpentine	100%	100°C										+	+	+	+	+	+			
turpentine substitutes	100%	20°C			+	+														
urea G Carbamide	5%	20°C					+	+	+	+										
urea G Carbamide	20%	20°C					+	+	+	+										
urea G Carbamide	100%	20°C					+	+	+	+								+	+	
uric acid	10%	20°C					+	+	+	+										
G Group			+ Resistant			(+) Limited resistant			- Not resistant			x Soluble								

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
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			+	+	+	+	+	+	(+)	(+)							+	+

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

Chemicals list

			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
chemical / concentration / temperature																				
xylene	100%	100°C											+	+	+	+	+	+		
G Aromatic hydrocarbons																				
zinc (II) salts	10%	20°C					+	+	+	+										
G Inorganic salts																				
zinc (II) salts	50%	20°C					+	+	+	+										
G Inorganic salts																				
zinc chloride	5%	20°C					+	+	+	+	+	+								
G Inorganic salts																				
zinc chloride	10%	20°C					+	+	+	+	+	+							+	+
G Inorganic salts																				
zinc chloride	40%	20°C					+	+	+	+										
G Inorganic salts																				
zinc chloride	50%	20°C					+	+	+	+										
G Inorganic salts																				
zinc chloride	100%	20°C					+	+	+	+										
G Inorganic salts																				
zinc chloride	100%	100°C											+	+	+	+	+	+		
G Inorganic salts																				
zinc sulfate	100%	20°C					+	+	+	+										
G Inorganic salts																				

G

 Group

+

 Resistant

(+)

 Limited resistant

-

 Not resistant

x

 Soluble