

Reagent		Concentration	at + °C %	Polyamide PA 6	Polyamide PA 6.6	Polyamide PA 12	Thermoplastic polyurethane PU	Polypropylene PP	Polyethylene HD-PE	Polyethylene LD-PE	Polystyrene PS	Nitrile butadiene rubber NBR
Exhaust gases containing carbon dioxide	all	60						⊗	⊗			
Exhaust gases, containing SO ₂	low	60						⊗	⊗			
Acetaldehyde	40%	20	✗	✗	✗			✗				20 °C ⊗
Acetone	100%	20	✗	✗	✗	✗	✗	✗	✗	✗		✗
Acrylic acid	100%	> 30	✗	✗	✗	✗						✗
Alums, aqueous	diluted	40						✗	✗	✗	✗	20 °C ⊗
Allyl alcohol	96%	20	✗	✗	✗	✗	✗	✗	✗	20% ⊗		
Aluminium chloride, aqueous	diluted	40						✗	✗	✗	✗	20 °C ⊗
Aluminium sulphate, aqueous	diluted	40						✗	✗	✗	✗	20 °C ⊗
Formic acid, aqueous	10%	20	✗	✗	✗	✗		✗	✗			✗
Ammonia, aqueous	saturated	20	20% ⊗	20% ⊗	20% ⊗			✗	✗	✗	25% ⊗	
Ammonium chloride, aqueous	saturated	60					3% ✗	✗	✗	✗		20 °C ⊗
Ammonium nitrate, aqueous	diluted	40						✗	✗	✗	✗	20 °C ⊗
Ammonium sulphate, aqueous	diluted	40						✗	✗	✗		✗
Aniline, pure	100%	20	✗	✗	✗			✗	✗	✗	✗	
Aniline hydrochloride, aqueous	saturated							✗	✗	✗		
Benzaldehyde, aqueous	saturated	20	pure ✗	pure ✗	pure ✗			✗				✗
Benzine	100%	20	✗	✗	✗			✗	✗	✗	✗	✗
Benzoic acid, aqueous	all	40	20% ✗	20% ✗				✗	✗	✗	✗	
Benzole	100%	20	✗	✗	✗			✗	✗	✗	✗	
Bleaching liquor	12.5 Cl	20	✗	✗	✗	✗	3% ✗	✗	✗	✗	✗	✗
Drilling oil	all	20	✗	✗	✗	✗		✗	✗	✗	✗	
Chrome alum, aqueous	diluted	40						✗	✗	✗		20 °C ⊗
Cyclohexanol	-	20	✗	✗	✗			✗	✗	✗	✗	✗
Diesel fuel		85	✗	✗	✗	✗	20 °C ⊗	20 °C ⊗	20 °C ⊗	20 °C ⊗		
Ferric chloride, aqueous, neutral	10%	20	✗	✗	✗	✗		✗	✗	✗	✗	✗
Glacial acetic acid	100%	20						✗	✗	✗		✗
Acetic acid	10%	20	✗	✗	✗	✗	3% ✗	✗	✗	✗	✗	
Ethyl alcohol, aqueous	10%	20	40 vol% ⊗	40 vol% ⊗	40 vol% ⊗				✗		✗	
Ethylene chloride	100%	20						✗	✗	✗		
Ethylene oxide	100%	20						✗				
Ethyl ether	100%	20						✗				✗
Potassium ferrocyanide, aqueous	saturated	60						✗	✗	✗		
Fluorine	50%	40	pure ✗	pure ✗	pure ✗	✗		✗	✗	✗		
Formaldehyde, aqueous	diluted	40	pure ✗	pure ✗	pure ✗	✗		40% ⊗	40% ⊗	40% ⊗	30% ⊗	20 °C ✗
Glucose, aqueous	all	50						✗	✗	✗		
Urea, aqueous	to 10%	40	20% ⊗	20% ⊗	20% ⊗			✗	✗	✗		
Flame-retardant hydraulic fluid		80	✗	✗	✗							
Hydraulic oils H and HL (DIN 51524)		100	✗	✗	✗							
Hydroxylamine sulphate, aqueous	to 12%	30						✗				
Caustic potash, aqueous	50%	20	✗	✗	✗	✗		✗	✗	✗	✗	
Potassium bromide, aqueous	all	20	10% ⊗	10% ⊗	10% ⊗			✗	✗	✗		
Potassium chloride, aqueous	10%	20	✗	✗	✗			✗	✗	✗		
Potassium dichromate, aqueous	40%	20	5% ✗	5% ✗	5% ✗			✗	✗	✗		
Potassium nitrate, aqueous	all	20	10% ⊗	10% ⊗	10% ⊗			✗	✗	✗		
Potassium permanganate, aqueous	saturated	20						✗				
Hydrosilicofluoric acid, aqueous	to 30%	20	✗	✗	✗			✗	✗	✗		

⊗ Highly resistant
 ✗ Limited resistance
 ✘ Not resistant

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	Concentration	at + °C %	Polyamide PA 6	Polyamide PA 6.6	Polyamide PA 12	Thermoplastic polyurethane PU	Polypropylene PP	Polyethylene HD-PE	Polyethylene LD-PE	Polystyrene PS	Nitrile butadiene rubber NBR
Reagent											
Carbon dioxide, dry	100 %	60	⊗	⊗	⊗		⊗	⊗	⊗	50 °C ⊗	20 °C ⊗
Carbonic acid	100 %	60	⊗	⊗	⊗						20 °C ⊗
Cresylic acid, aqueous	to 90 %	20	pure ⊗	pure ⊗			⊗	⊗	⊗	⊗	⊗
Coolant DIN 53521		120	⊗	⊗							
Copper chloride, aqueous	saturated	20					⊗	⊗	⊗		⊗
Copper sulphate, aqueous	saturated	60					⊗	⊗	⊗		20 °C ⊗
Magnesium carbonate, aqueous	saturated	100					⊗				50 °C ⊗
Magnesium chloride, aqueous	saturated	20	10% ⊗	10% ⊗	10% ⊗		⊗	⊗	⊗	⊗	⊗
Methyl alcohol	100 %	20	⊗	⊗	⊗		40 °C ⊗	⊗	⊗	⊗	⊗
Methylene chloride	100 %	20	⊗	⊗	⊗		⊗	⊗	⊗	⊗	
Lactic acid, aqueous	to 90 %	20	10% ⊗	10% ⊗	10% ⊗	3% ⊗	⊗	⊗	⊗	80% ⊗	⊗
Mineral oil			⊗	⊗	⊗		20 °C ⊗	20 °C ⊗	20 °C ⊗		
Sodium chlorate, aqueous	saturated	20	10% ⊗	10% ⊗	10% ⊗		⊗	⊗	⊗		
Sodium hydroxide, aqueous	10 %	20	⊗	⊗	⊗	3% ⊗	⊗	⊗	⊗		⊗
Nickel chloride, aqueous	saturated	20	10% ⊗	10% ⊗	10% ⊗		⊗				⊗
Nickel sulphate, aqueous	saturated	20	10% ⊗	10% ⊗	10% ⊗		⊗	⊗	⊗		⊗
Nitroglycerin	diluted	20						⊗	⊗		
Oil and grease		20	⊗	⊗	⊗		⊗				
Oleic acid	-	20	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗
Oxalic acid	all	20	10% ⊗	10% ⊗	10% ⊗	3% ⊗	⊗	⊗	⊗	⊗	⊗
Ozone	pure		⊗	⊗	⊗		⊗	⊗	⊗		
Petroleum	100 %	80	⊗	⊗	⊗		20 °C ⊗	20 °C ⊗	20 °C ⊗	⊗	
Phosgene, gaseous	100 %	20					⊗	⊗	⊗		
Phosphoric acid, aqueous	diluted	20	10% ⊗	10% ⊗	10% ⊗	3% ⊗	⊗	⊗	⊗	86% ⊗	⊗
Phosphorus pentoxide	100 %	20					⊗				
Mercury	pure	20	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗
Nitric acid, aqueous	50 %	20	⊗	⊗	⊗	3% ⊗	⊗	⊗	⊗	30% ⊗	⊗
Hydrochloric acid, aqueous	30 %	20	20% ⊗	20% ⊗	20% ⊗	3% ⊗	⊗	⊗	⊗	15% ⊗	⊗
Lubricating grease, ester oil base		110	⊗	⊗							
Polyphenyl ester base		110	⊗	⊗	⊗						
Lubricating grease, silicone oil base		110	⊗	⊗	⊗						
Carbon disulphide	100 %	20	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗
Sodium sulfide, aqueous	diluted	40					⊗	⊗	⊗		
Sulphuric acid, aqueous	10 %	20	⊗	⊗	⊗	3% ⊗	50% ⊗	50% ⊗	50% ⊗	⊗	⊗
Sea water		40	⊗	⊗	⊗	20 °C ⊗	⊗	⊗	⊗	⊗	20 °C ⊗
Soap solution, aqueous	all	20	diluted ⊗	diluted ⊗	diluted ⊗	⊗	⊗	⊗	⊗		
Carbon tetrachloride	100 %	20	⊗	⊗	⊗		⊗	⊗	⊗		
Toluene	100 %	20	⊗	⊗	⊗		⊗	⊗	⊗		
Trichloroethylene	100 %	20	⊗	⊗	⊗		⊗	⊗	⊗		
Vinyl acetate	100 %	20					⊗				
Hydrogen	100 %	60	20 °C ⊗	20 °C ⊗	20 °C ⊗		⊗	⊗	⊗		20 °C ⊗
Xylene	100 %	20	⊗	⊗	⊗		⊗	⊗	⊗	⊗	⊗
Zinc chloride, aqueous	diluted	60	10% ⊗	10% ⊗			⊗	⊗	⊗	50 °C ⊗	20 °C ⊗
Zinc sulphate, aqueous	diluted	60					⊗	⊗	⊗		20 °C ⊗
Zinc chloride, aqueous	diluted	40					⊗	⊗	⊗	⊗	20 °C ⊗
Citric acid	to 10 %	40	20 °C ⊗	20 °C ⊗	20 °C ⊗	3% ⊗	⊗	⊗	⊗	⊗	20 °C ⊗

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