

Medium + resistant - not resistant	Temperature K	Concentration %	Graphite				
			Not impregnated	- Impregnations -			
				Synthetic resin	Antimony	White Metal	Lead Bronze
Aminosulphonic acid $\text{NH}_2\text{-SO}_3\text{H}$	370	40	+	+	+	+	-
Ammonia (Gas) NH_3	370	100	+	+	+	+	-
Ammonium hydroxide (aqueous) NH_4OH	320	25	+	+	+	+	-
Aqua regia $\text{HCl/HNO}_3 = 3:1$	380	100	+	+	-	-	-
Bleach liquor Sodium hypochlorite (concentrated) NaOCl	290	300 g NaOCl/l = 120 g Cl_2/l	+	-	+	-	-
Bleach liquor Sodium hypochlorite (concentrated) NaOCl	320	300 g NaOCl/l = 120 g Cl_2/l	-	-	-	-	-
Bleach liquor Sodium hypochlorite (dilute) NaOCl	290	150 g NaOCl/l = 60 g Cl_2/l	+	-	+	-	-
Bleach liquor Sodium hypochlorite (dilute) NaOCl	320	150 g NaOCl/l = 60 g Cl_2/l	+	-	+	-	-
Bleach liquor Sodium hypochlorite (dilute) NaOCl	370	150 g NaOCl/l = 60 g Cl_2/l	-	-	-	-	-

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Bleach liquor Sodium hypochlorite (dilute) NaOCl	320	75 g NaOCl/l = 30 g Cl ₂ /l	+	+	+	-	-
Bleach liquor Sodium hypochlorite (dilute) NaOCl	370	75 g NaOCl/l = 30 g Cl ₂ /l	+	-	-	-	-
Bromine (liquid) Br ₂	290	100	-	-	-	-	-
Chloride of lime Ca(ClO) Cl	370	saturated	+	-	+	-	-
Chlorine (dry) Cl ₂	370	100	+	+	-	-	-
Chlorine (wet) Cl ₂	290	100	+	+	-	-	-
Chlorosulphonic acid Cl-SO ₃ H	290	100	-	-	-	-	-
Chromic acid CrO ₃ · aq	290	20	+	+	+	-	-
Chromic acid CrO ₃ · aq	370	20	+	+	-	-	-
Chromic acid CrO ₃ · aq	290	40	+	+	-	-	-
Chromic acid CrO ₃ · aq	370	40	+	+	-	-	-

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				Synthetic resin	Antimony	White Metal	Lead Bronze
Chromic acid $\text{CrO}_3 \cdot \text{aq}$	290	60	+	+	-	-	-
Chromic acid $\text{CrO}_3 \cdot \text{aq}$	370	60	-	-	-	-	-
Fluorine (Gas) F_2	290	100	-	-	-	-	-
Fluosilicic acid H_2SiF_6	290	all	+	+	+	-	-
Hydrobromic acid (Gas) HBr	370	100	+	+	+	-	-
Hydrochloric acid (concentrated) HCl	370	36	+	+	+	-	-
Hydrofluoboric acid HBF_4	370	all	+	+	-	-	-
Hydrofluoric acid (concentrated) HF	290	60	-	-	-	-	-
Hydrofluoric acid (concentrated) HF	355	40	+	+	-	-	-
Hydrogen chloride (gas) HCl	370	100	+	+	+	-	-
Hydrogen fluoride (gas) HF	320	100	+	+	-	-	-

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Synthetic resin	Antimony	White Metal		Lead Bronze			
Hydrogen peroxide H ₂ O ₂	320	30	+	+	+	+	+
Hydrogen sulphide (gas) H ₂ S	up to 370	up to 100	+	+	-	-	-
Hydrogen sulphide (water) H ₂ S	up to 320	up to 4 g/l	+	+	-	-	-
Mixed acid HNO ₃ /H ₂ SO ₄ = 2:3	290	100	-	-	-	-	-
Nitric acid (dilute) HNO ₃	320	65	+	+	-	-	-
Nitric acid (dilute) HNO ₃	360	65	+	-	-	-	-
Nitric acid (dilute) HNO ₃	380	38	+	+	-	-	-
Nitric acid (dilute) HNO ₃	390	65	-	-	-	-	-
Nitric acid (fuming) HNO ₃ + NO, NO ₂	290	100	-	-	-	-	-
Nitrogen peroxide NO + NO ₂	290	100	-	-	-	-	-
Perchlorid acid HClO ₄	not to be brought into contact with carbon – risk of explosion!						

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Synthetic resin	Antimony	White Metal					
Perhydrol H ₂ O ₂	see Hydrogen Peroxi						
Phosgene COCl ₂	290	all	+	+	+	-	-
Phosphoric acid (concentrated) H ₃ PO ₄	320	89	+	+	+	-	-
	410	89	+	+	-	-	-
Phosphoryl chloride POCl ₃	290	100	+	+	-	-	-
Potassium hydroxide (concentrated) KOH	290	60	+	+	+	+	+
	370	60	+	-	-	-	-
Potassium permanganate KMnO ₄	290	50	+	+	+	+	+
Potassium permanganate KMnO ₄	370	50	-	-	+	-	-
Sodium chlorite NaClO ₂	350	20	-	-	-	-	-
Sodium hydroxide (concentrated) NaOH	290	60	+	+	+	+	+
Sodium hydroxide (concentrated) NaOH	370	60	+	-	-	-	-
Sodium hypochlorite NaOCl	see Bleach liquor						

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Sodium (liquid) Na	370	100	-	-	-	-	-	
Sulfuryl chloride SO ₂ Cl ₂	340	100	+	+	+	-	-	
Sulphur monochloride S ₂ Cl ₂	290	100	-	-	-	-	-	
Sulphur dioxide (Gas) SO ₂	370	100	+	+	+	-	-	
Sulphuric acid (concentrated) H ₂ SO ₄	370 420	98 98	+	-	+	-	-	-
Sulphuric acid (dilute) H ₂ SO ₄	415	48	+	+	+	-	-	
Sulphuric acid (oleum) H ₂ SO ₄ + SO ₃	290	98	-	-	-	-	-	
Sulphurous acid H ₂ SO ₃	370	all	+	+	+	+	+	
Sulphur trioxide SO ₃	370	> 50	-	-	-	-	-	
Thionyl chloride SOCl ₂	345	100	+	+	+	-	-	