

Corrosive Medium	Chemical Formula	Temperature [°C]	Pt	Pd	Au	Ag	Rh	Ir
Aluminium sulphate	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	100	1	1	1	1	1	-
Bromine, dry	Br <sub>2</sub>	20	3	4	1	1	1	4
Bromine, moist	Br <sub>2</sub>	20	3	4	1	1	1	2
Bromine water		20	1	2	1	1	1	-
Hydrobromic acid	HBr	20	2	4	2	1	1	1
Hydrobromic acid	HBr	100	4	4	3	1	1	3
Chloride, dry	Cl <sub>2</sub>	20	2	3	1	1	1	1
Chloride, moist	Cl <sub>2</sub>	20	2	4	1	1	1	3
Acetic acid, glacial	CH <sub>3</sub> COOH	100	1	1	1	1	1	-
Fluorine	F <sub>2</sub>	20	2	-	-	-	-	-
Hydrofluoric acid 40%	HF	20	1	1	1	1	1	1
Iodine, dry	I <sub>2</sub>	20	1	4	1	1	1	2
Iodine, moist	I <sub>2</sub>	20	1	2	2	1	1	1
Hydroiodic acid	HI	20	1	4	1	1	1	2
Potassium hydroxide	KOH	400	3	2	2	-	4	4
Potassium cyanide	KCN	20	1	3	-	-	-	-
Potassium cyanide	KCN	100	3	4	-	-	-	-
Potassium bisulphate	KHSO <sub>4</sub>	500	1	2	3	1	-	-
Aqua regia	HNO <sub>3</sub> + 3 HCl	120	4	4	1	1	1	4
Aqua regia	HNO <sub>3</sub> + 3 HCl	100	4	4	1	2	1	4
Kopper chloride	CuCl <sub>2</sub>	100	1	2	-	-	-	-
Kopper sulphate	CuSO <sub>4</sub>	100	1	1	1	1	1	-
Sodium hypochlorite	NaClO	20	1	3	2	2	4	4
Sodium hydroxide	NaOH	500	2	2	2	-	4	4
Ortho-phosphoric acid	H <sub>3</sub> PO <sub>4</sub>	100	1	2	1	1	1	4

<b>Mercuric chloride</b>	HgCl <sub>2</sub>	100	1	1	1	1	3	-
<b>Nitrit acid 95%</b>	HNO <sub>3</sub>	100	1	4	1	1	1	4
<b>Hydrochloric acid 96%</b>	HCl	20	1	1	1	1	1	1
<b>Hydrochloric acid 96%</b>	HCl	20	1	4	1	1	1	3
<b>Hydrochloric acid 96%</b>	HCl	100	2	4	1	1	1	4
<b>Sulphurite acid 36%</b>	H <sub>2</sub> SO <sub>4</sub>	20	1	1	1	1	1	1
<b>Sulphurite acid 65%</b>	H <sub>2</sub> SO <sub>4</sub>	100	1	3	2	1	1	1
<b>Sulphurite acid 65%</b>	H <sub>2</sub> SO <sub>4</sub>	300	2	4	3	-	-	-
<b>Hydrogen sulphide</b>	H <sub>2</sub> S	20	1	1	1	1	1	1
<b>Selenic acid</b>	H <sub>2</sub> SeO <sub>4</sub>	20	1	3	-	-	-	-
<b>Selenic acid</b>	H <sub>2</sub> SeO <sub>4</sub>	100	3	4	-	-	-	-
<b>Hydrogen peroxide</b>	H <sub>2</sub> O <sub>2</sub>	100	4	-	-	-	-	-

1 = no corrosion

2 = slight corrosion

3 = noticeable corrosion

4 = destructive corrosion

The values given in the table are guidelines and cannot be guaranteed for specific applications.