

Electromagnetic flow meter electrodes and liners selection for corrosive liquid

Symbol description: A - Applicable; B - Available, short lifespan; N - cannot be used; X - Corrosion resistant, but not recommended; Blank - No data available;
R-room temperature; S-boiling point; Sat saturation; (M) - Determined by the maximum temperature resistance of the lining

Corrosive Liquid			Electrode material for magmeter					Liner material for magmeter				
Name	concentration%	temperature ° C	stainless steel	Hastelloy C	Titanium	Tantalum	Platinum	PTFE	PFA	polyurethane	Chloroprene Rubber	Ceramics
Acetaldehyde (CH ₃ CHO)	100	R	B	A	A	A	A	A	A	N	N	A
Acetic acid (CH ₃ COOH)	5~10	R~S	A	A	A	A	A	A	A	N	A	A
	50the above	R~S	N	A	A	A	A	A	A	N	N	A
	S	R~S	N	A	A	X	A	A	A		N	A
Acetic anhydride ((CH ₃ CO) ₂ O)		R	A	A	A	X	A	A	A	N	B	A
Acetone (C ₃ H ₆ O)	100	R	B	A	A	X	A	A	A	N	B	A
Alum	10~100	R	N	N	A	A	A	A			B	A
Alumina (Al ₂ O ₃)			A	X		A	A	A			N	
Aluminum chloride (AlCl ₃)	10	100below	N	N	A	B	A	A			A(M)	A
	25~100	100below	N	N	N	B	A	A			A(M)	A
Aluminum chlorohydrate (AlCl ₃ · 6H ₂ O)			N	N		A	A	A			A	
Aluminum fluoride (AlF ₃)	100		N	N		N	A	A	A			A
Aluminum chlorate (AlCl ₃ O ₉)	100		N	N		A	A		A			A
Aluminum hydroxide (Al(OH) ₃)	100		B	N		A	A	A	A			A
Aluminum nitrate (AlN ₃ O ₉)	100		N	N	B	N	A	A	A	A		A
Aluminum sulfate (Al ₂ (SO ₄) ₃)	10	R~S	A	X	A	A	A	A	A	B	A	A
	>10~100	R~50		X	A	X	A	A	A		A	A
	57	120		X	A	X	A	A	A		N	A
Ammonia (NH ₃)	10	R	A	A	A	X	A	A				A

Ammonia (NH ₃)	10~100	Sbelow	B	A	A	N	A	A	A			A
Ammonium borate ((NH ₄)B ₅ O ₈)	100		N	N		A	A					A
Ammonium bicarbonate			N	N		A		A				
Ammonium bifluoride (F ₂ H ₂ N)			N	N		A	A	A				
Ammonium bisulfate	50below		N	N		A	A	A	A		A	A
Ammonium carbonate ((NH ₄) ₄ CO ₃)	Sat the above	R~S	N	N		A	A	A	A		A(M)	A
Ammonium chloride (NH ₄ Cl)	10~20	R~S	N	B	B	A	A	A	A		A(M)	A
	50the above	R~S	N	B	B	X	A	A	A		N	A
Ammonium fluoride (NH ₄ F)	20~100	80	N	B	B	N	A	A	A		A	A
Ammonium hydrogen fluoride (NH ₄ HF ₂)	50		N	B	N	N	A	A	A	A	A	A
Ammonium hydroxide (NH ₄ OH)	10~30	20~60	B	B	A	B	A	A	A	A	A	A
Ammonium nitrate (NH ₄ NO ₃)	10~50	R	N	B	B	X	A	A		N	A	A
	10~50	<S	N	B	B	X	A	A		N	A(M)	A
Ammonium persulfate (H ₈ N ₂ O ₈ S ₂)	100		N	N	N	A	A	A		N	B	A
Ammonium phosphate ((NH ₄) ₂ PO ₄)	100		N	N		A	A	A	A			A
Ammonium sulfate ((NH ₄) ₂ SO ₄)	20~sat		N	N	B	A	A	A	A	A		A
Ammonium sulfide ((NH ₄) ₂ S)	100					B	B		A			A
Aqua regia (HNO ₃ + 3HCl)	100		N	N	B	A	N		N			A
Aniline (PhNH ₂)		R	A	A	A	X	A	A			N	A
		S	B	A	A	X	A	A			N	A
Antimony pentachloride (SbCl ₅)	100		N	N		A	A	A	A			A
Antimony trichloride (SbCl ₃)	100		N	N		A	A	A	A			A

Arsenic acid (H ₃ AsO ₄)	100		N	N		A	A	A	A		A	A
Arsenious acid (H ₃ AsO ₃)	100		N	N		A	A	A	A		A	A
Barium acetate (Ba(C ₂ H ₃ O ₂) ₂)	100		N	N		A	A	A				
Barium carbonate (BaCO ₃)	100		N	N		A	A	A	A			A
Barium chloride (BaCl ₂)	20	R	N	B	B	A	A	A	A	A	A	A
	20~30	<100	N	B	B	A	A	A	A		A(M)	A
Barium hydroxide (Ba(OH) ₂)	Sat	R	A	N	N	A	A	A	A	A	A	A
		S	A	N	N	N	A	A	A		A(M)	A
Barium sulfate (BaSO ₄)	100		N	N	B	A	A	A		A	B	A
Barium sulfide (BaS)	100		N	N		A	A	N		N		A
Bauxite slurry			A	A		A	A	B	A	A	B	A
Beer			A	A		A	A	A				
Black liquor			B			A	A	A		N	N	
Benzene		R	A	A	A	X	A	A				A
Benzoic acid (C ₆ H ₆)	all	R	A	A	A	X	A	A				A
Benzene sulfonic acid (C ₆ H ₃ SO ₃ H)	5	70	A	A		X	A	A				A
	100		N	N		X	A	A	A			A
Borax (Na ₂ B ₄ O ₇)			N	N		A	A	A	A	B		
Boracic acid (H ₃ BO ₃)	10~50	S	A	A	A	A	A	A			A(M)	A
Brine (NaCl)		R~S	B	A	A	X	A	A		N	A(M)	A
Bromine (Br ₂)		R~S	N	A	N	A	A	A	A	N	N	A
Butyric acid (C ₄ H ₈ O ₂)	100	R~S	A	A	A	X		A			A	A
Butylacetate (C ₆ H ₁₂ O ₂)		R	A	A	A	X	A	A			N	A
Butyl-alcohol (C ₄ H ₉ OH)		R	A	A	A	X	A	A			A	A
		S	A	A	A	X	A	A			N	A
Calcium bisulfate (Ca(HSO ₄) ₂)	100	R	N	B	A	A	A	A	A		B	A

Calcium bisulfite ($\text{Ca}(\text{HSO}_3)_2$)		R	A	A	A	A	A	A			B	A
Calcium carbonate (CaCO_3)	100	R~S	B	B		A	A	A			A(M)	
Calcium chlorate ($\text{Ca}(\text{ClO}_3)_2$)	30~40		N	N	B	B	A	A	A		A(M)	A
Calcium chloride (CaCl_2)	100		N	N		A	A	A		B	A	A
Calcium hydroxide ($\text{Ca}(\text{OH})_2$)	25		N	B		A	A	A		A	A	
Calcium hypochlorite ($\text{Ca}(\text{ClO})_2$)	20	40	B	A	A	A	A	A			B	A
	100		N	N	A	A	A	A	A			A
Calcium nitrate ($\text{Ca}(\text{NO}_3)_2$)			N	N	A		A	A	A		A	A
Calcium sulfate (CaSO_4)	1~10	R~S	A	A	A	A	N	A			N	A
Carbon disulfide (CS_2)		R~S	A	A	A	X	A	A			N	A
Carbon tetrachlorine (CCl_4)		R	B	A	A	X		A	A		N	A
Cheese			A	A		A	A	A			N	
Chlorine (Cl_2)		R~70	B	A	N	X	A	A	A		N	
		100	N	A	A	X	A	A			N	
Chlorine dioxide (ClO_2)			N	N		A	N	A		N	N	
Chlorate (MClO_3)		50	A					A				A
Chlorine benzene ($\text{C}_6\text{H}_5\text{Cl}$)		20~S	A	A	A			A			N	A
Chloracetic acid ($\text{C}_2\text{H}_3\text{ClO}_2$)	25~100	R~S	B	A	A	A		A	A		N	A
Chlorosulfonic acid (ClSO_3H)		R~S	N	A	N	X	A	A	A		N	A
Chromic acid (H_2CrO_4)	10	R	A	A	A	A	A	A			N	A
	10	S	N	A	A	A	A	A			N	A
	50	R~S	N	A	A	A	A	A	A		N	A
	100		N	N		A	A	A				A
Chromium sulfate ($\text{Cr}_2(\text{SO}_4)_3$)	100		N	B		A	A	A	A		N	A
Citric acid ($\text{C}_6\text{H}_8\text{O}_7$)	5~25	R~S	A	A	A	X	A	A			A(M)	A
	50	R	A	A	A	X	A	A			A	A
	50	S	A	A	B	X	A	A			A(M)	A
Slurry			N	B		A	A	A		B	A	
Copper chloride (CuCl)	20~50	R	N	A	B	A	N	A	A	A	A	A

Copper chloride (CuCl)	sat	S	N	N	B	N	N	A	A		A(M)	A
Coal+water slurry			A	A		A	A	B		A	A	
Copper cyanide (CuCN)	100		B	B		A	A	A	A		A	A
Copper fluoride (CuF)	100		N	N		N	A		A			
Copper nitrate (Cu(NO3)2)	50		N	N	B	A	A	A	A			A
Copper sulfate (CuSO)	5~50	R~S	B	B	B	A	A	A		A(M)	A(M)	A
	50~sat	R~S	B	B	B	X	A	A		A(M)	A(M)	A
Copper oxychloride (Cu2(OH)3Cl)	100		N	N	N	N	A	A	A			A
Copper chloride (CuCl)	100		B	B		A	N		A			A
Cyanide (HCN)	10	R	A		N	A		A			A	A
Dairy products			A	A		A	A	B		N	N	
Dichloroethylene (C2H2Cl2)	100	50~S	B	A	A	X		A			N	A
Dichloro ethane (C2H2Cl2)		R~S	B	A	A	X		A			N	A
Dioxane (C4H8O2)				A	A	X		A			N	A
Dichloromethane (CH2Cl2)		R~S										
Diphenyl (C12H10)			B	A	A	X		A			N	A
Dynes			A	A		A	A	A		N	N	
Ether (R-O-R)		R	A	A	A	X	A	A	A		N	A
Ethyl acetate (C4H8O2)		R	A	A	A	X	A	A	A		N	A
Ethyl alcohol (C2H5)		R	A	A	A	X	A	A	A		A	A
Ethyl chloride (C2H5Cl)		R	B	A	A	X		A			N	A
Fatty acid (CH3(CH2)COOH)	100	R	A	A	A	X	A	A			B	A
	100	S	B	A	A	X	A	A			N	A
	100	135	A	A	A	X	A	A			B(M)	A
	100	315	A	B	A	X	A	A				A
Ferric chloride (FeCl3)	10~sat	R~S	N	A	A	A	N	A	A		B(M)	A
Ferric nitrate (Fe(NO3)3)	100		N	B		A	A	A	A			A
Ferric(II),perchloride (FeCl3)	30~50	R~50	A	A	A	A		A			A(M)	A
	10~sat	100~S	A	A	A	A		A			N	A

Ferric(III), perchloride (FeCl3)	5~15	25	N	A	A	A		A	A		A	A
	45	25	N	B	A	A		A			A	A
	10	65	N	B	A	A		A			A(M)	A
	50	50~S	N	N	A	A		A			A(M)	A
Ferrous(II), Sulfate (FeSO4)	10	R	A	A	A	A	A	A			A	A
	all	S	A	A	A	X	A	A			(AM)	A
		R	A	A	A	X	A	A			A	A
Ferrous(III), Sulfate (FeSO4)	30	65	A	A	A	X	A	A			A(M)	A
Hydrochloric acid (HCl)	0.5~5	R	N	X	A	A	A	A	A		B	A
	10~20	R	N	B	A	A	X	A	A		B	A
	37	R	B	N	N	A	X	A	A		B	A
	10	50	N	B	N	A	A	A	A		B	A
	5	60	N	N	A	A	A	A	A		B	A
	0.5~5	S	N	N	A	X	A	A	A		N	A
	10~37	S	N	N	N	X	X	A	A		N	A
Ferric sulfide (Fe2S2)	100		N	B		A	A	A	A		A	A
Ferrous nitrate (Fe(NO3)2)		R	N	N		A	A	A			A	A
Ferric sulfate (Fe2(SO4)3)			N	B		A	A	A			B	
Fluosilicic acid (H2SiF6)	10~40	R~30	N	N	N	N	A	A	B			A
Fluorboric acid (HBF4)	100		N	N	N	N	A		B			
Formaldehyde (CH2O)		R~S	N	B	A	A	A	A	A	N	B(M)	A
Formic acid (HCOOH)	10~50	R	N	A	A	A	A	A	A	N	B	A
	10~50	65	N	B	A	A	A	A	A	N	B(M)	A
	60	65	N	B	B	A	A	A	A	N	B(M)	A
	50~100	S	N	N	N	A	A	A	A	N	N	A
Glucose syrup			A	A		A	A	A	A	A	A	A
Glycerin (C3H8O3)	100	R~S	A	A	A	A	A	A	A	A(M)	A(M)	A
Green liquid			A	A		A	A	A	A		N	A
Hydrocyanic acid (HCN)	100	R	B	B	A	A	A	A	A	N	B	A

Hydrogen bromide (HBr)		R	A	A	A	X	A	A	A		B	A
Hydrogen sulfide (H ₂ S)		R	A	A	A	X	A	A	A		B	A
		100	A	A	A	X	A	A	A		N	A
Hydrobromic acid (HBr)	~50	S	N	N		A	N	A	A		B	A

Hydrofluoric acid (HF)	1~50	R~50	N	N	N	N	A	A	A		N	A
	98~100		N	N	N	N	A	A	A		N	B
Hydrofluosilicic acid (H ₂ SiF ₆)	35		N	B		N	A	A				
Hydrogen peroxide (H ₂ O ₂)	5~50		B	B		A	A	A		N		
Hydroxy-acetic acid (C ₂ H ₂ O ₃)	35		B	B		A	A	A				B
	50		B	B		A	A	A				A
Hypochlorous acid (HClO)	10~20		N	B		A	N	A	A			A
Hydrogenated fluosilicic acid (H ₂ SiF ₆)	35		N	B		N	A		A			A
			N	B		N	A		B(35°C)			A
Lactic acid (C ₃ H ₆ O ₃)	1.5~10	R	A	A	A	X		A			B	A
	1.5~10	S	N	A	A	X		A			B(M)	A
	Sat	S	N	N	A	A		A			B(M)	A
Lime slurry			N	B		A	A	A			A	A
Lime stone slurry			N	B		A	A	A		A	A	
Lithium chloride (LiCl)	100		N	B	A	A	A	A				
Lead acetate (Pb(CH ₃ COO) ₂)		R	N	N		A	N	A	A	A		A
Magnesium Carbonate (MgCO ₃)	100		N	B	A	A	A	A	A			A
Magnesium bisulfite (Mg(HSO ₃) ₂)	100		B	B		A	N	A				A
Magnesium chloride (MgCl ₂)	10~30	R	N	B	B	A	A	A	A		A	A
	20~42	S	N	B		X	A	A			A	A
Magnesium hydroxide (Mg(OH) ₂)	100		N	N		N	A	A	A			A
Magnesium nitrate (Mg(NO ₃) ₂)	100		N	B	B	A	A	A	A			A
Maleic acid (C ₄ H ₄ O ₄) (Maleic acid, malic acid)	10~50	R	A	A	A	X		A			A	A
		S	A	A	A	X		A			B(M)	A
Magnesium sulfate (MgSO ₄)	10~100	R~S	B	N	A	A	A	A			A	A
Manganous chloride (MnCl ₂)	5~50	~100	B	A	A	X		A			A(M)	A

Manganous sulfate (MnSO4)	Sat	R	B	B	B	X	A	A			A	A
Mercuric chloride (HgCl2)			N	N		A	A	A				
Mercury (Hg)		20~50	B	A	A	X	A	A			A	A
		S	B	B	B	X	A					A
Methanol,Methylic Alcohol	100	R	A	A	A	X	A	A	A		A	A
	100	S	B	A	B	X	A	A	A		N	A
Molasses			A	A		A	A		A	N	N	
Mud drilling			A	A		A	A		N	A	N	
Monchloracetic acid (C2H3ClO2)	50~100	R	B	A	A	X	A	A			N	A
	70~100	S	N	A	A	X		A			N	A
Naphthalene (C10H8)		R	A	A	A	X		A	A		N	A
Neuphor			A	A		A	A	A			N	
Nickel chloride (NiCl2)	10~20	R~60	N	B	A	A	A	A	A	A(M)	A(M)	A
	30~80	95~S	N	N	A	A	A	A	A	A(M)	A(M)	A
Nickel nitrate (Ni(NO3)2)		R	N	N		A	A	A	A		A	A
Nickel sulfate (NiSO4)		80	N	N		A	A	A		A(M)	A(M)	A
Nitric acid (HNO3)	7~65	R	X	X	X	A	A	A	A		B	
	7~65	S	X	N	X	A	A	A	A		N	
	100	R	N		X	A	A	A	A		N	
	100	50~S			X	A	A	A	A		N	
Magnesium hydroxide (Mg(OH)2)	100		N	N		N	A	A	A			A
Nitro benzene (C6H5NO2)				A	A	X	A	A	A		N	A
Oxalic acid (C2H2O4)	5~10	R	A	A	A	X	A	A			A	A
	25~50	R		A	A	X	A	A			B	A
	Sat	R		N	B	X	A	A		N	N	A
	5~Sat	S	N	N	N	X	A	A		N	N	A
Ozone (O3)				B	A	X	A	A	A		B	A
Paper stock		R~S	B	A	A	A	A	A			N	A

Perchloric acid (HClO ₄)	50～70		N	N	B	A	A	A	A			A
Perchloroethylene (C ₂ Cl ₂)		R～S	B	A	A	X	A	A			N	A
Phenol (C ₆ H ₅ OH)	pure	R～S	A	A	A	X	A	A			N	A
Phosphoric acid (H ₃ PO ₄)	1～30	R	X	X	X	A	A	A	A		A	A
	45～Sat	R	B	X	B	A	A	A	A		A	A
	80～Sat	140～150	N	N	N	A	A	A	A		A(M)	A
Potassium aluminum sulfate (KAl(SO ₄) ₂)	100		B	N	A	A	A	A	A			A
Potassium carbonate (K ₂ CO ₃)	100		B	B		A	A	A	A			
Potassium chloride (KCl)	10～Sat	R～S	B	N	A	A	A	A	A	A(M)	A(M)	A
Potassium ferricyanite (K ₃ [Fe(CN) ₆])	100		N	N		B	N	A	A			A
Potassium ferrocyanite	100		N	N		B	N	A	A			A
Potassium cyanide (KCN)	10	R	A		N	X	A	A			A	A
Potassium dicarbonate (KHCO ₃)	100		B	B		A	A		A			A
Potassium dichromate	100		B	N		A	A	A	A			A
Potassium hydroxide (K ₂ Cr ₂ O ₇)	10～20	R	A	X		N	A	A	A		A	A
	20～50	R	B	X	N	N	A	A	A		A	B
	10～50	S	B	X		N	A	A	A		A	B
Potassium hypochlorite (KClO)		R～150	N	A	A	X		A			N	A
Potassium nitrate (KNO ₃)	20～50	R～S	A	A	A	X	A	A			A(M)	A
	80～Sat		N	A	A	X	A	A	A		A(M)	A
Potassium perchlorate (KClO ₄)	25～75	25		A	A	X		A			A	A
Potassium permanganate (KMnO ₄)	various	R～S	N	N	B	B	A	A	A		B(M)	A
Potassium persulfate (K ₂ S ₂ O ₈)			N	N	A	A	A	A	A			A
Potassium sulfate (K ₂ SO ₄)	10～20	R～50	A	A	A	A	A	A			A(M)	A
	100		B	N	B	A	A	A	A			A

Pyridine (C ₅ H ₅ N)	50～100	R～S	A	A	A	A		A			N	A
Sewage(Raw)				A	A	A	A	A		A	A	
Sea water		R	B	A	A	A	A	A			N	A

Silver nitrate (AgNO3)	50		N	B	N	B	A	A		A	A	A
Sludge			A	A	A	A	A	A		N	B	
Sodium acetate (CH3COONa)	100		N	N	A	A	A	A				A
Sodium bicarbonate (NaHCO3)	10~20	R~S	A	A	A	A	A	A			A(M)	A
	100	R~S	N	N	B	A	A	A	A		A(M)	A
Sodium borate (Na2B4O7)			N	N		A	A	A	A			A
Sodium bromide (NaBr)			N	N		A	A	A	A			A
Sodium bisulfate (NaHSO4)	10~Sat	R~S	N	N		A	A	A	A			A
Sodium bisulfide (NaHS)			B	N		A	A	A				
Sodium bisulfite (NaHSO3)	50	R~S	N	B		A	A	A			A	A
Sodium carbonate (Na2CO3)	10~Sat	R~S	B	B	A	X	A	A	A		A(M)	A
Sodium chlorate (NaClO3)	5	R		A	A	A	A	A		A	A	A
	5	S		A	A	X	A	A			A(M)	A
Sodium chloride (NaCl)	pure	R~S	B	A	A	X	A	A			A(M)	A
Sodium chlorite (NaClO2)	5~10	R	A	A	A	A	N	A			N	A
	5	S	N	A	A	X	N	A			N	A
Sodium chromate (Na2CrO4)	40		N	N	A	A	N	A	A			
Sodium cyanide (NaCN)	100		N	N	A	A	N	A	A			A
Sodium dichromate (Na2Cr2O7)	100		N		A	A	N	A	A			A
Sodium ferricyanide (Na3[Fe(CN)6])			N			B	N	A	A			A
Sodium ferrocyanide (Na4[Fe(CN)6])			N			B	N	A				
Sodium fluoride (NaHS)			N	N		N	A	A				
Sodium hydrosulfide (NaHS)			B	B		A	A	A				

Sodium hydroxide (NaOH)	10~20	R	A	N	A	N	A	A	A		A	A
	34~50	R	B	N	A	N	A	A	A		A	
	10~20	~150	N	N	A	N	A	A	A		A(M)	
	30~50	70~150	N	N	B	N	A	A	A		A(M)	
	50	180	N	N	B	N	A	A	A		A(M)	
	60~100	~150	N	N	B	N	A	A	A		A(M)	
Sodium hydrogensulfate (NaHSO4)	100		N	N	A	A	A	A	A			A
Sodium bisulfide (NaHS)			B	N		A	A	A				
Sodium hydrogensulfite (NaHSO4)	100		B	N		A	A	A	A			
Sodium hypochloride (NaClO) *The concentration unit : g C/L	10*	R		A	A	A	A	A			B	A
	10*	50		A	A	X	A	A			N	A
	20*	R		A	A	X	A	A			B	A
	20*	40		B	A	X	A	A			N	A
Sodium nitrate (NaNO3)		R	N	N	A	A	A	A			A	A
		~100	N	N	A	A	A	A			N	A
Sodium nitrite (NaNO2)		40~100	N	N	A	A	A	A			A(M)	A
Sodium Peroxide (Na2O2)	10	R~S	A	A	N		A	A			A(M)	A
Sodium silicate (Na2SiO3)	100		N	N	A	A	A	A	A			A
Sodium sulfate (Na2SO4)	~Sat	R	A	A	A	A	A	A	A		B	A
	~Sat	S	N	N	N	A	A	A	A		B(M)	A
Sodium sulfide (Na2S)	~Sat	R	A	A	A	A	A	A	A		B	A
	25~50	S	N	N	N	A	A	A	A		B(M)	A
Sodium sulfite (Na2SO3)	25~100	R~S	N	N		A	A	A	A		B(M)	A
Sodium tetraborate (Na2B4O7)			N	B		A	A	A	A			A
Sodium thiosulfate (Na2S2O3)	25	R	A	A		A	N	A			B	A
	25~100	S	N	A		N	N	A			B(M)	A

Sulfuric acid (H ₂ SO ₄)	2～5	R	N	X	X	A	A	A	A		A	A
	10	R	N	X	X	A	A	A	A		N	A
	25～60	R	N	X	B	A	A	A	A		N	A
	70～85	R	N	X	N	A	A	A	A		N	A
	90～96	R	X	X	N	A	A	A	A		N	A
	2～5	150	N	N	X	N	A	A	A		A(M)	A
	5～60	180	N	N	N	N	A	A	A		N	A
	77～96	150	N	N	N	N	A	A	A		N	A
Sulfur monochloride (S ₂ Cl ₂)		R～S	B	A	N	X		A			N	A
Sulfurous acid (H ₂ SO ₃)	10～Sat	R	N	N	N	A	A	A	A		N	A
Tannic acid	10～50	R～S	A	A	A	X	A	A	A		B(M)	A
Tartaric acid	～100	R	A	A	A	X	A	A	A		A	A
	～100	S	N	B	A	X	A	A	A		A(X)	A
Tin chloride (SnCl ₄)	～100	R	B	A	A	X		A	A		A	A
	～100	150	N	A	A	X		A	A		N	A
Tin dichloride (SnCl ₂)	100		N	N		X	A	A	A		N	A
Titanium dioxide (TiO ₂)			A	A		A	A	A		N	N	
Trichloroethylene (C ₂ HCl ₃)		R	B	A	A	A		A			N	
Trisodium phosphate (Na ₃ PO ₄)			B	N	A	A	A	A				A
Urea (CH ₄ N ₂ O)	50		A	A			A	A		N	N	
Uric acid (C ₅ H ₄ N ₄ O ₃)		R	A	A		X	A	A			A	A
White liquid			N	N		A	A	A			B	
Zinc chloride (ZnCl ₂)	10～60	R	B	A	A	A		A	A		A	A
	10～20	S	B	A	A	A	A	A	A		A(M)	A
	50～60	S	B	B	B	A		A	A		A(M)	A
	100	S	N	B	N			A	A		A(M)	A
Zinc sulfate (ZnSO ₄)			B	B		A	A	A		N	A	