

MARYLAND METRICS

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TECHNICAL INFORMATION and DATA

Corrosive Agent	Concentration	L	Temperature	C	C + F	A2	A4	div.
				4021 4104	4016 4510 4057	4301 4306 4541 4540	4401 4404 4435	4449* 4577* 4506+ 4539*
Copper carbonate	2 CuCO ₃ · Cu (OH) ₂	-	20°C	0	0	0	0	
Copper-II-cyanide	Cu (CN) ₂	hot saturated	boiling	3	2	0	0	
Copper-II-nitrate	Cu (NO ₃) ₂ · 3 H ₂ O	50 %	20° C boiling	0 0	0 0	0 0	0 0	
Copper-II-sulphate	Cu SO ₄ · 5 H ₂ O = blue vitriol + 3 % H ₂ SO ₄	all concentrated	20°C and boiling 20°C boiling	0 0 2	0 0 2	0 0 0	0 0 0	
Creosote	-	-	20°C boiling	1 2	1 1	0 0	0 0	
Cresol	CH ₃ C ₆ H ₄ OH	-	20°C	0	0	0	0	
Crude oil	-	-	-	0	0	0	0	
Curing solution	-	x	20°C	1	0	0	0	
Dichloroethane	CH ₂ Cl · CH ₂ Cl	-	20°C	-	-	0	0	
Dichloroethylene	CHCl : CHCl	water-free	boiling	0	0	0	0	
Diethyl ether	(C ₂ H ₅) ₂ O	-	boiling	0	0	0	0	
Disulphur dichloride	S ₂ Cl ₂	water-free	20°C boiling	1 2	1 2	0 0	0 0	
Drainage water	acidic	-	20°C	1	0	0	0	
Drainage water	= acidic water	-	20°C	1	1	0	0	
Dye bath	-	-	20°C	-	-	0	0	
	alkaline or neutral	-	boiling	-	-	0	0	
	organic acid	-	20°C	-	-	0	0	
	weak sulphuric acid or organic	-	boiling	-	-	0	0	
	+ sulphuric acid (H ₂ SO ₄ below 1%)	-	20°C	-	-	0	0	
	strong sulphuric acid or organic	-	boiling	-	-	1	0	
	+ sulphuric acid (H ₂ SO ₄ above 1 %)	-	20°C boiling	- -	- -	1 1	0 1	0+*
Ethyl alcohol (alcohol)	C ₂ H ₅ OH	all concentrated	20°C boiling	0 0	0 0	0 0	0 0	
Ethyl chloride	C ₂ H ₅ Cl	water-free	boiling	0	0	0	0	
Ethyl glycol	CH ₂ OH-CH ₂ OH	-	20°C	2	1	0	0	
Fatty acid	= oleic acid C ₁₇ H ₃₃ COOH	commercial grade 30 at	150°C 180°C 235°C 300°C	0 2 3 3	0 2 2 3	0 1 1 2	0 0 0 0	
Fatty acid	+ traces H ₂ SO ₄	-	hot	-	-	2	1	0+^
Ferric-III-chloride	Fe Cl ₃	30 % 50 %	x x	20°C 50°C	3 3	3 3	3 3	2 3
Ferric-III-nitrate	Fe (NO ₃) ₃ · 9 H ₂ O	all concentrated	20°C	0	0	0	0	
Ferro-gallic ink	-	x	20°C	1	0	0	0	
Ferrous-II-sulphate	Fe (SO ₄) ₂ · 7 H ₂ O	10 %	20°C	0	0	0	0	
Ferric-III-sulphate	Fe ₂ (SO ₄) ₃	10 %	boiling	1	1	0	0	
Fluorosilicic acid (= sand acid)	H ₂ Si F ₆	vapours	100°C	3	2	1	1	0°
Formaldehyde	-	40 %	20°C boiling	- -	0 0	0 0	0 0	
Formic acid	H.COOH	10 %	20°C 70°C boiling	2 3 3	1 2 3	0 1 2	0 0 1	0 0 0+
		50 %	20°C 70°C boiling	2 3 3	2 2 3	0 2 3	0 1 1	0 0 1+
		80 %	20°C boiling	2 3	2 3	0 2	0 1	0 1+
		100 %	20°C boiling	1 3	1 3	0 2	0 1	0 0+
Fruit juices and fruit acids	-	-	20°C boiling	- -	- -	0 0	0 0	
Fruit pulp fuming	containing SO ₂	-	-	-	1	0	0	
	(11 % free SO ₃)	-	20°C 100°C	- 3	0 3	0 1	0 0	
fuming	(60 % free SO ₃)	-	20°C 80°C	- 3	0 3	0 0	0 0	
Gallic acid	C ₆ H ₂ (OH) ₃ COOH	hot saturated	20°C boiling	0 -	0 0	0 0	0 0	
Glue	(also acidic)	-	boiling	0	0	0	0	
Glycerine	C ₃ H ₅ (OH) ₃	concentrated	20°C boiling	0 0	0 0	0 0	0 0	
Humid	-	-	-	3	3	0	0	
Hydrazine sulphate	(NH ₂) ₂ H ₂ SO ₄	10 %	boiling	-	-	2	2	1+