

MARYLAND METRICS

P.O.Box 261 Owings Mills, MD 21117 USA

(410)358-3130 (800)638-1830 Faxes: (410)358-3142 (800)872-9329

http://mdmetric.com

techinfo@mdmetric.com

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 4436 4435	4449* 4577* 4506+ 4539*
Mixed acid	(nitrating acids)							
	50 % H ₂ SO ₄		50°C	3	2	0	0	
	+ 50 % HNO ₃		90°C	3	3	1	1	
	75 % H ₂ SO ₄		120°C	3	3	2	2	
	+ 25 % HNO ₃		50 %	3	2	1	0	
	90°C		90°C	3	3	1	1	
	157°C		157°C	3	3	3	3	
	20 % H ₂ SO ₄		50°C	3	3	0	0	
	+ 15 % HNO ₃		80°C	3	3	1	0	
	70 % H ₂ SO ₄		50°C	3	3	0	0	
	+ 10 % HNO ₃		90°C	3	3	1	0	
	30 % H ₂ SO ₄		168°C	3	3	3	3	
	+ 5 % HNO ₃		90°C	3	3	0	0	
	15 % H ₂ SO ₄		110°C	3	3	1	0	
	+ 5 % HNO ₃		134°C	3	3	1	1	
	2 % H ₂ SO ₄		boiling	3	3	2	0	
	+ 1 % HNO ₃							
Monochloroacetic acid	CH ₂ Cl COO H	50 %	x	20°C	3	3	3	3
Mustard	-	-	x	20°C	2	0	0	0
Nickel chloride	Ni Cl ₂ , 6 H ₂ O	-	x	20°C	-	-	1	1
Nickel nitrate	Ni (NO ₃) ₂ , 6 H ₂ O	-	-	20°C	0	-	0	0
Nickel sulphate	Ni SO ₄ , 7 H ₂ O	-	-	20°C boiling	-	-	0	0
Nitric acid	H NO ₃	7 %		20°C	0	0	0	0
		10 %		boiling	1	0	0	0
		25 %		20°C	0	0	0	0
		37 %		boiling	1	1	0	0
		50 %		20°C	0	0	0	0
		66 %		boiling	2	1	0	0
		99 % (Hoko)		20°C	0	0	0	0
		concentrated		boiling	2	1	1	1
Nitrous acid	H NO ₂			20°C	0	0	0	0
Nitrous acid 60°				75°C	-	-	-	1
Nitrous vitreol content 4 - 5 %				20°C	0	0	0	0
Novocaine				20°C	0	0	0	0
Oil (lubricating oil)				20°C	0	0	0	0
Oil (vegetable)				boiling	0	0	0	0
Oxalic acid (COOH) ₂ , 2 H ₂ O		5 %		20°C and boiling	1	1	0	0
		10 %		boiling	-	3	1	1
		25%		20°C	-	1	1	0
		50%		boiling	-	-	2	2
Paraffin				boiling	-	-	2	2
P ₃ -washing powder				boiling	0	0	0	0
Paris Green				20° molten mass	0	0	0	0
Persil	3 CU (As O ₂) ₃ , CU (CH ₃ COO) ₂			95°C	0	0	0	0
Petrol				20°C	0	0	0	0
Petrol ether				20°C	0	0	0	0
Petroleum				20°C and boiling	0	0	0	0
Phenol = carboic acid C ₆ H ₅ OH		pure		boiling	2	1	1	0
		+ 10 % H ₂ O		boiling	3	1	1	0
		crude 90 % Ph		boiling	3	3	1	0