

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 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	-	-	0	0
			boiling					
Nitric acid	H NO ₃	7 %		20°C	0	0	0	0
				boiling	1	0	0	0
		10 %		20°C	0	0	0	0
				boiling	1	1	0	0
		25 %		20°C	0	0	0	0
				boiling	2	1	0	0
		37 %		20°C	0	0	0	0
				boiling	2	1	0	0
		50 %		20°C	0	0	0	0
				boiling	2	1	1	1
		66 %		20°C	0	0	0	0
				boiling	3	2	0	1
		99 %		20°C	2	1	1	2
		(Hoko)		boiling	3	3	2	2
Nitrous acid	H NO ₂	concentrated		20°C	-	-	0	0
Nitrous acid 60°		-		20°C	0	0	0	0
Nitrous vitreol content 4 - 5 %		-		75°C	-	-	-	1
Novocaine		-		20°C	0	0	0	0
Oil	(lubricating oil)	-		20°C	0	0	0	0
		-		boiling	0	0	0	0
Oil	(vegetable)	-		20°C	0	0	0	0
		-		boiling	0	0	0	0
Oxalic acid	(COOH) ₂ , 2 H ₂ O	5 %		20°C and boiling	1	1	0	0
				boiling	-	3	1	1
		10 %		20°C	-	1	1	0
				boiling	-	-	2	2
		25%		boiling	-	-	2	2
		50%		boiling	-	-	2	2
Paraffin		-		20°	0	0	0	0
		-		molten mass	0	0	0	0
P ₃ -washing powder		-		95°C	0	0	0	0
Paris Green		-		20°C	0	0	0	0
	3 CU (As O ₂) ₃ , CU (CH ₃ COO) ₂							
Persil		-		20°C and boiling	0	0	0	0
Petrol		all concentrated		20°C	0	0	0	0
Petrol ether		-		-	0	0	0	0
Petroleum		-		20°C	0	0	0	0
				boiling	0	0	0	0
Phenol	= carboic acid	pure		boiling	2	1	1	0
	C ₆ H ₅ OH	+ 10 % H ₂ O		boiling	3	1	1	0
		crude 90 % Ph		boiling	3	3	1	0