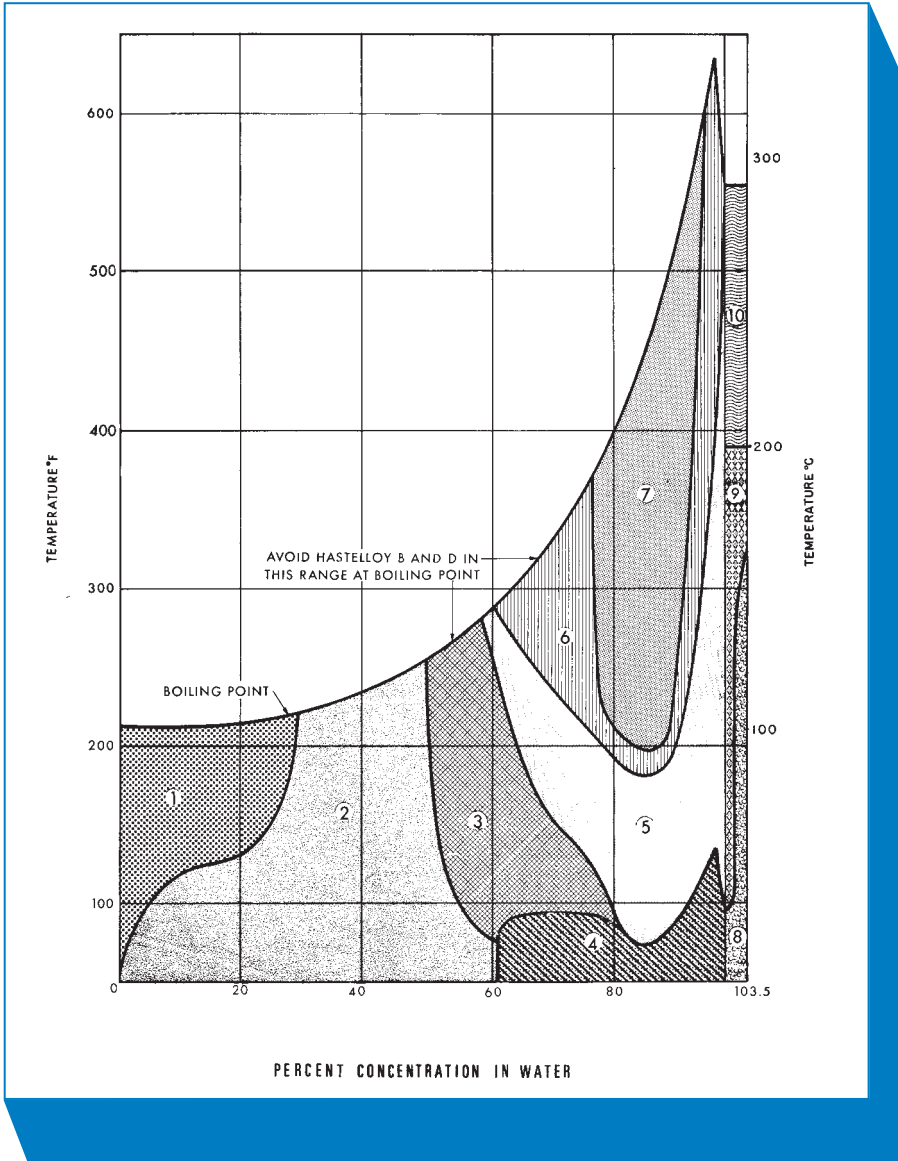




Metals and Alloys with Corrosion Rate <20 mpy in Sulfuric Acid Depending on Temperature and Concentration



- 1. No air
- 2. < 10% aerated
- 3. < 75C
- 4. < 20% at 25C
- 5. < 25% aerated at 25C
- 6. < 96% concentration
- 7. >80% concentration
- 8. < 80% aerated
- 9. < 75C, < 96%
- 10. 20 to 50 mpy

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Code for Sulfuric Acid Graph							
Materials in shaded zones have reported corrosion rate <20mpy							
Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
20Cr 30Ni	20Cr 30Ni ³	20Cr 30Ni ³	20Cr 30Ni	20Cr 30Ni ³	62Ni 28Mo ¹⁰	Gold	20Cr 30Ni
66Ni 32Cu ¹	66Ni 32Cu ¹	66Ni 32Cu ¹	62Ni 28Mo	62Ni 28Mo	Gold	Platinum	18Cr 8Ni
62Ni 28Mo	62Ni 28Mo	62Ni 28Mo	Type 316 ⁷	Gold	Platinum	Silicon iron	54Ni 15Cr
Type 316 ²	Type 316 ⁵	Gold	Gold	Lead ⁹	Silicon iron	Tantalum	16Mo
Al bronze10% ¹	Al bronze10% ¹	Lead	Lead ⁶	Platinum	Tantalum		Gold
Copper ¹	Copper ¹	Molybdenum	Nickel cast	Silicon iron			Platinum
Gold	Gold	Platinum	iron	Tantalum			Steel
Lead	Lead	Silicon iron	Platinum				
Molybdenum	Molybdenum	Tantalum	Silicon iron				
Nickel cast	Nickel cast	Zirconium	Steel				
iron	iron ⁴		Tantalum				
Platinum	Platinum		Zirconium ⁸				
Silver	Silicon cast					Zone 9	Zone 10
Tantalum	iron					20Cr 30Ni	Gold
Zirconium	Silver					18Cr 8Ni	Platinum
	Tantalum					Gold	
	Zirconium					Platinum	