

Immersion Coils Acid

CHEMISTRY	STEEL	316 STAINLESS	TITANIUM	ZIRCONIUM	FLUOROPOLYMER	BATH EFFICIENCY	SPECIFIC HEAT	DENSITY	NOTES
Acetic Anhydride	-	-	✓	-	✓	-	-	-	≅ 200F for metals
Acid Sulfate	-	-	-	-	✓	-	-	-	-
Actane 70, 80	-	-	-	-	✓	-	-	-	"FEP, PFA OnlyContains ammonium bifluoride"
Actane Salt	-	-	-	-	✓	-	-	-	PTFE Only
Alcorite	-	-	-	-	✓	-	-	-	-
Alodine (Most formulas)	-	✓	-	-	-	-	-	-	-
Aluminum Acetate	-	✓	✓	-	-	-	-	-	-
Aluminum Anodizing	-	-	-	-	✓	-	-	-	-
Aluminum Chloride	-	-	✓	✓	✓	-	-	-	≅5 % concentration and ≅150F for metals
Aluminum Sulfate	-	✓	✓	✓	✓	-	-	-	≅ 50% concentration and ≅ 200F for metals
Ammonium Bifluoride	-	-	-	-	✓	-	-	-	-
Ammonium Chloride	-	-	✓	-	✓	-	-	-	-
Ammonium Persulfate	-	✓	-	-	✓	-	-	-	≅ 5 % concentration for the metals
Ammonium Sulfate	-	-	✓	✓	✓	-	-	-	≅ 40% concentration and ≅ 200F for metals
Anodizing (Aluminum)	-	-	-	-	✓	-	-	-	≅ 200F for metals
ARP 28, 80	-	-	-	-	✓	-	-	-	-
Barium Chloride	-	✓	✓	-	✓	-	-	-	-
Benzoic Acid	-	-	✓	✓	✓	-	-	-	≅70% concentration and ≅ 200F for metals
Black Nickel	-	-	-	-	✓	75	-	-	-
Black Oxide (Low - Temp)	-	-	✓	-	✓	-	-	-	-
Boric Acid	-	-	✓	-	✓	-	-	-	-
Bright Nickel	-	-	✓	-	✓	50	-	-	-
Bronze	-	✓	-	-	✓	-	-	-	-
Brown Oxide	-	-	✓	-	✓	-	-	-	-
Burnite	-	-	-	-	✓	-	-	-	-
Butyric Acid	-	-	✓	-	✓	-	0.51	8.05	-
Cadmium Black	-	-	-	-	✓	-	-	-	-
Cadmium Fluoborate	-	-	-	-	✓	50	-	-	-
Calcium Chloride	-	-	✓	-	-	-	-	-	-
Calcium Hypochlorite	-	-	✓	-	✓	-	-	-	-

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Carbonic Acid	-	✓	✓	-	✓	-	-	-	-
Chloride	-	-	✓	-	✓	-	-	-	-
Chlorine/Wet	-	-	-	-	✓	-	-	-	-
Chlorosulfuric Acid	-	-	✓	-	✓	-	-	-	-
Chromic Acetate	-	-	-	-	✓	-	-	-	-
Chromic Acid	-	-	✓	-	✓	-	-	-	≈ 30% concentration and ≈ 200F for metals
Chromic Anodizing	-	-	-	-	✓	-	-	-	-
Chromic Nickel	-	-	-	-	✓	-	-	-	-
Chromium (Fluorides)	-	-	-	-	✓	-	-	-	-
Chromium (No Fluorides)	-	-	✓	-	✓	-	-	-	-
Deoxidizer (Non-Chromated)	-	✓	-	-	✓	-	-	-	-
Dichromic Seal	-	✓	-	-	✓	-	-	-	-
Diversey 511, 514	-	-	-	-	✓	-	-	-	-
Electroless Tin (Acid)	-	-	-	-	✓	-	-	-	Sludge 3"
Electropolishing	-	-	-	-	✓	-	-	-	Sludge 3"
Ethone 80 Acid	-	-	-	-	✓	-	-	-	-
Ferric Chloride	-	-	✓	-	✓	-	-	-	-
Ferric Sulfate	-	✓	-	-	-	-	-	-	-
Fluoborate	-	-	-	-	✓	-	-	-	-
Formic Acid	-	✓	-	✓	✓	-	0.53	9.35	≈5 % concentration and ≈150F for metals
Citric Acid	-	-	✓	-	✓	-	-	-	-
Clear Chromate	-	-	-	-	✓	-	-	-	-
Cobalt Nickel	-	-	✓	-	✓	50	-	-	-
Cobalt Plating	-	✓	-	-	✓	50	-	-	Sludge 3"
Cobra Etch	-	-	-	-	✓	-	-	-	-
Copper Acid	-	-	-	-	✓	50	0.9	9.69	-
Copper Bright Acid	-	-	-	-	✓	75	0.9	9.69	-
Copper Fluoborate	-	-	-	-	✓	75	-	-	-
Copper Sulfate	-	-	✓	-	✓	75	-	-	≈ 30% concentration and ≈ 200F for metals
Cyanide	-	✓	-	-	✓	-	-	-	-
Deoxidizer (Etching)	-	-	-	-	✓	-	-	-	-

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Fruit Juices	-	✓	-	-	✓	-	-	-	-
Gold-Acid	-	-	✓	-	✓	-	-	-	-
Grey Nickel	-	-	✓	-	✓	50	-	-	-
Hydrochloric Acid	-	-	-	✓	✓	-	-	-	≤ 30%, ≤ 160F for metals
Hydrofluoric Acid	-	-	-	-	✓	-	-	-	≤ 50%, ≤ 120F for metals
Indium	-	-	-	-	✓	-	-	-	-
Iridite (1, 2, 3, 4-C, 7, 8, 15)	-	-	-	-	✓	-	-	-	-
Iron Fluoborate	-	-	-	-	✓	50	-	-	-
Isoprep Acid Salts	-	-	-	-	✓	-	-	-	-
Lactic Acid	-	✓	✓	✓	✓	-	-	-	≤ 50 % concentration and ≤ 150F for metals
Manganese Chloride	-	✓	✓	-	✓	-	-	-	10-50% aqueous solution for metals
McDermid 629 (contains F)	-	-	-	-	✓	-	-	-	-
Mercuric Chloride	-	-	✓	-	✓	-	-	-	-
Methane Sulfonic Acid	-	-	-	-	✓	-	-	-	-
Muriatic Acid	-	-	-	-	✓	-	-	-	-
Nickel (Plating Solution) (Watts)	-	-	✓	-	✓	-	-	-	-
Nickel Chloride	-	-	✓	-	-	50	-	-	-
Nitric Acid	-	-	✓	✓	✓	-	-	-	≤ 50% concentration for metals
Nitric Hydrochloric Acids	-	-	-	-	✓	-	-	-	-
Nitric Hydrochloric Acids	-	-	-	-	✓	-	-	-	-
Nitric Phosphoric	-	-	-	-	-	-	-	-	-
Oleic Acid	-	✓	-	-	✓	-	-	-	≤ 10% concentration for metals
Oxalic Acid	-	-	-	✓	✓	-	-	-	≤ 10% concentration for metals
Phosphoric Acid (No Fluoride)	-	-	✓	✓	✓	-	-	-	-
Potassium Acid Sulfate	-	-	-	-	✓	-	-	-	-
Potassium Hydrochloric	-	-	-	-	✓	-	-	-	-
Rhodium	-	-	-	-	✓	-	-	-	-
Ruthenium	-	-	-	-	✓	-	-	-	-

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Sodium Bisulfate	-	✓	-	-	✓	-	-	-	-
Sodium Chloride	-	-	✓	-	✓	-	-	-	-
Sodium Dichromate (Hot Seal)	-	✓	-	-	-	-	-	-	-
Stannic Chloride	-	-	✓	✓	✓	-	-	-	≤5% concentration and room temperature for metals
Stanostar	-	-	-	-	✓	-	-	-	-
Stearic Acid	-	✓	✓	-	✓	-	-	-	≤ 200F for metals
Sulfamate Nickel	-	-	✓	-	✓	25	-	-	-
Sulfur	-	-	-	-	✓	-	-	-	-
Sulfur Peroxide	-	-	-	-	✓	-	-	-	-
Sulfuric Acid	-	-	-	✓	✓	-	0.84	9.6	-
Sulphamic Acid	-	-	-	-	✓	-	-	-	-
Tin Plating (Acid) (Stanus/Sulphate)	-	-	-	-	✓	-	-	-	-
Tin Plating Acid (Fluborate)	-	-	-	-	✓	-	-	-	-
Trioxide (Pickle)	-	-	-	-	✓	-	-	-	-
Unichrome	-	-	-	-	✓	-	-	-	-
Wood's Nickel Strike	-	-	-	-	✓	50	-	-	Sludge 3"
Zinc Acid	-	-	✓	-	✓	-	-	-	-
Zinc Ammonium Chloride	-	-	✓	-	-	-	-	-	-
Zinc Chloride	-	-	✓	✓	✓	50	-	-	≤ 5% for metals
Zinc Phosphate (Fluoride)	-	-	-	-	✓	-	-	-	-
Zinc Sulfate	-	✓	-	-	-	50	-	-	-