



Since 1918, Alemite has been supplying high-quality products to meet the needs of numerous industries. With the introduction of our full line of electric pump systems and accessories, we strengthen that commitment. Combined with a one-year product warranty, these superior electric pump systems from Alemite provide the performance and reliability you deserve.

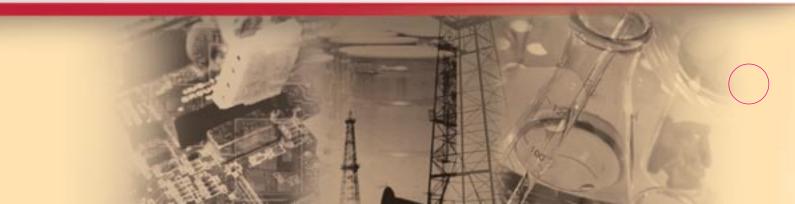
# Electric Pump Systems

Alemite is bringing our experience of providing quality products to the electric pump market. Our superior pumps offer the performance you need to improve productivity and transfer fluid more efficiently. And, because we offer a full line, we have a pump for every need. Alemite also takes pride in our highly qualified sales staff. Their expertise and knowledge are key to providing a system you can rely on and the support to ensure it keeps up with your operation.

# Markets Served

Chemical Manufacturing
Waste Water Treatment
Chemical Packaging
Semiconductor
Pharmaceutical
Agriculture
Petroleum
Plating





# Pumps for Every Need

## **Drum & Container Pumps**

Alemite's Container Pumps and Batch Control Systems are engineered to safely transfer or dispense a wide range of liquids from drums, totes and tanks, including corrosive and flammable liquids. Three models are available:



# Open Drip Proof (ODP):

- Engineered for use in corrosive environments
- Ideally suited for transferring many chemicals, including acids and alkalis



## Totally Enclosed Fan Cooled (TEFC):

- Engineered for use in heavily corrosive environments or when aggressive fumes are present
- Ideally suited for transferring concentrated acids and alkalis or aggressive solvents



# Hazardous Duty: (AtEx100)

- Engineered for use in hazardous duty locations
- Ideally suited for transferring flammable/combustible liquids

# Pump Tubes for Every Need

#### Polyvinylidenfluoride (PVDF) Series Pump Tubes

Alemite's PVDF Pump Tubes are engineered to transfer highly concentrated aggressive liquids. Robust PVDF offers excellent durability and chemical resistance.

#### 316 Stainless Steel Series Pump Tubes

Alemite's Stainless Steel Pump Tubes are engineered to transfer a broad range of chemicals, including flammable and combustible liquids. 316 Stainless Steel offers excellent strength and durability.

### Polypropylene Series Pump Tubes

Alemite's Polypropylene Pump Tubes are engineered to transfer corrosive liquids. Sturdy Polypropylene ensures chemical resistance against light to moderately aggressive media.



# Complete Pump Solutions

Alemite's Pump Packages offer a complete solution for transferring liquids from drums, tanks and IBCs. These packages are specially designed to assist you in choosing the right system for your specific demand. Complemented by Alemite's expertise and support, these pump packages are the perfect solution for your electric pump needs.



Each package comes complete with an electric motor, 39" (1 m) pump tube, dispensing nozzle, 6' (1.8 m) of chemically resistant hose, barrel adapter, pump storage bracket and hose clamps.

# Pump Package 1: Part Number 340011

Polypropylene Pump Tube, 115 VAC ODP motor

Part Number	Description	Weight
340015	ODP Motor, 115 VAC	9 lbs (4.1 kg)
340020-I	Polypropylene Pump Tube	6.4 lbs (2.9 kg)
393766-1	Polypropylene Nozzle	0.6 lbs (0.27 kg)
393766-5	Wall Bracket	0.8 lbs (0.36 kg)
393766-3	Polypropylene Bung Adapter	0.1 lbs (0.05 kg)
393766-6	6' (1.8 m) PVC Tubing and Clamps	2 lbs (0.91 kg)

### Pump Package 2: Part Number 340012

Polypropylene Pump Tube, 230 VAC ODP motor

Part Number	<b>Description</b> Weight	
340016	ODP Motor, 230 VAC	9 lbs (4.1 kg)
340020-I	Polypropylene Pump Tube	6.4 lbs (2.9 kg)
393766-1	Polypropylene Nozzle	0.6 lbs (0.27 kg)
393766-5	Wall Bracket	0.8 lbs (0.36 kg)
393766-3	Polypropylene Bung Adapter	0.1 lbs (0.05 kg)
393766-6	6' (1.8 m) PVC Tubing and Clamps	2 lbs (0.91 kg)

# Pump Package 3: Part Number 340013

316 Stainless Steel Pump Tube, 115 VAC ODP motor

Part Number	Description	Weight
340015	ODP Motor, 115 VAC	9 lbs (4.1 kg)
340020-2	316 Stainless Steel Pump Tube	6.4 lbs (2.9 kg)
393766-2	Aluminum Nozzle	2.3 lbs (1.0 kg)
393766-5	Wall Bracket	0.8 lbs (0.36 kg)
393766-4	Stainless Steel Bung Adapter	0.1 lbs (0.05 kg)
393766-6	6' (1.8 m) PVC Tubing and Clamps	2 lbs (0.91 kg)

## Pump Package 4: Part Number 340014

316 Stainless Steel Pump Tube, 230 VAC ODP motor

Part Number	Description	Weight
340016	ODP Motor, 230 VAC	9 lbs (4.1 kg)
340020-2	316 Stainless Steel Pump Tube	11 lbs (5.0 lbs)
393766-2	Aluminum Nozzle	2.3 lbs (1.0 kg)
393766-5	Wall Bracket	0.8 lbs (0.36 kg)
393766-4	Stainless Steel Bung Adapter	0.1 lbs (0.05 kg)
393766-6	6' (1.8 m) PVC Tubing and Clamps	2 lbs (0.91 kg)

# **Batch Control Systems Packages**

Alemite's Batch Control Systems are engineered to control, measure and dispense any volume of liquid from drums, IBCs, plating tanks and any large storage vessel. They can be used in any industry where batching, chemical packaging or dilution is required for accuracy and efficiency.



## Operation

Simply enter the desired volume of liquid to be transferred with the directional arrows. Press ENTER and the Batch Control System engages the motor, dispenses the required volume, then stops the motor to complete the process.

The batch system does not require the use of a nozzle.

#### **Features**

### Accuracy

Employ "Teach In" calibration or preset "K Factors" for maximum accuracy (±0.5%). No more estimating or using floor scales to properly measure corrosive chemicals.

## Safety

Prevents the operator from having to come in contact with corrosive chemicals. Eliminates drum tilting with forklifts or measurement with buckets or pails. Allows for a controlled transfer of highly corrosive liquids from your storage container to a mixing tank or process line.

#### Memory

Save up to 7 preset volumes in the Automatic Batch Memory or change each batch in the Manual Batch Setting. Equipped with EEPROM Electronics.

### Versatility

- Displays volume units in gallons, imperial gallons, liters, milliliters or cubic meters.
- Displays flow rate in gallons, imperial gallons, liters, milliliters or cubic meters per minute, second or hour.
- Language can be displayed in English, German, French, Italian or Spanish, as desired.
- Batch Controller operates on 115 VAC or 230 VAC power 50/60Hz.
- Batch Control Motors are available in TEFC or ODP for any corrosive environment. Both 50Hz and 60Hz motors are available.

#### Control

Variable Speed Motors enable operators to control discharge flow.

#### **Quick Connection**

I" (2.5 cm) hose barb or I" NPT thread allows easy hose change or quick disconnect setup.

# Batch Control Systems Package 1: Part Number 340021

Polypropylene Pump Tube, 115 VAC motor

Part Number	Description
340025	115 VAC Batch Control Motor
393766-13	Batch Control Module
340020-I	Polypropylene 39" (1 m) Tube
393766-11	Flow Chamber Assembly (Poly)
393766-20	Union Nut (Winged)

Approx. shipping wt: 25 lbs (11 kg)

# Batch Control Systems Package 2: Part Number 340022

316 Stainless Steel Pump Tube, 115 VAC motor

Part Number	Description
340025	115 VAC Batch Control Motor
393766-13	Batch Control Module
340020-2	316 Stainless Steel 39" (1 m) Tube
393766-11	Flow Chamber Assembly (Poly)
393766-20	Union Nut (Winged)

Approx. shipping wt: 25 lbs (11 kg)

# Batch Control Systems Package 3: Part Number 340023

Polypropylene Pump Tube, 230 VAC motor

Part Number	Description
340026	230 VAC Batch Control Motor
393766-13	Batch Control Module
340020-I	Polypropylene 39" (I m) Tube
393766-11	Flow Chamber Assembly (Poly)
393766-20	Union Nut (Winged)

Approx. shipping wt: 25 lbs (11 kg)

# Batch Control Systems Package 4: Part Number 340024

316 Stainless Steel Pump Tube, 230 VAC motor

Part Number	Description
340025	230 VAC Batch Control Motor
393766-13	Batch Control Module
340020-2	316 Stainless Steel 39" (1 m) Tube
393766-11	Flow Chamber Assembly (Poly)
393766-20	Union Nut (Winged)

Approx. shipping wt: 25 lbs (11 kg)

### Accessories

Alemite offers a complete assortment of accessories for our electric pump systems. Constructed of only the most durable materials, our full line of accessories ensures you have everything you need to maintain an efficient electric pump system.

#### Various Accessories

Part Number	Description
340015 Motors	ODP, 115 VAC, for Pump Packages 1 and 3
340016	ODP, 230 VAC, for Pump Packages 2 and 4
340017	TEFC, 115 VAC
340018	TEFC, 230 VAC
340019	Hazardous Duty, 230 VAC
340025	Batch Control Motor (115 VAC), for Batch Control Packages IBC and 2BC
340026	Batch Control Motor (230 VAC), for Batch Control Packages 3BC and 4BC
340020-3 Pump Tubes	39" (I m) PVDF Down Tube
340020-2	39" (1 m) 316 Stainless Steel Down Tube
340020-1	39" (1 m) Polypropylene Down Tube

Part Number	Description
393766-1 Nozzles	Polypropylene Nozzle
393766-2	Aluminum Nozzle
393766-59	Stainless Steel Nozzle
393766-3 Bung Adapters	Polypropylene Bung Adapter
393766-4	Stainless Steel Bung Adapter
393766-5 Wall Bracket	Wall Mounting Bracket
393766-6 Hose Kits	Hose Kit with Clamps (6') (1.8 m)
393766-10	Hose Kit with Clamps (10') (3.0 m)
393766-12	Hose Kit with Clamps (12') (3.7 m)
393766-7 Strainers	Polypropylene Strainer
393766-8	Stainless Steel Strainer

# Accessories (continued)

Part Nu	mber	Description
393766-9 CI	lamp	Stainless Steel Hose Clamp
393766-11		Polypropylene Flow Chamber Assembly, for all Batch Control Packages
	Flow Chamber Assembly Components	(CONTROL MODULE ONLY)
393766-14		(POLY. FLOW CHAMBER W/O FITTINGS)
393766-15		(PUMP OUTLET FITTING)
393766-16		(FLOW METER OUTLET FITTING)
393766-17		(FLOW METER INLET FITTING)
393766-18		(POLY. CHECK VALVE)
393766-19		FITTING, HOSE BARB
393766-20		(POLY. WING NUT)
	Other parts & accessories	PVC Hose (12") (30.4 cm)
393766-22		Hand Wheel (for all tube sets)



Electric Pump Systems



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Part Number	Description
393766-23	Viton® Seal (for polypropylene tube set)
393766-24	Coupling Pump (for all tube sets)
393766-25	39" (1 m) Drive Shaft
393766-26	Discharge Housing (for polypropylene tube set)
393766-27	Bearing Assembly (for all tube sets)
393766-28	1" (2.5 cm) Hose Barb Fitting (for polypropylene tube set)
393766-29	Snap Ring (for all tube sets)
393766-30	39" (1 m) Guide Sleeve (TFE) (for polypropylene and PVDF tube sets)
393766-31	Pump Housing (w/Bushing) (for polypropylene tube set)
393766-32	39" (I m) Inner Tube (for polypropylene tube set)
393766-33	39" (1 m) Outer Tube (for polypropylene tube set)
393766-34	Impeller (for polypropylene tube set)
393766-35	Foot Pump (for polypropylene tube set)
393766-36	V-Seal (TFE) (for PVDF and SS tube sets)
393766-37	Discharge Housing (for PVDF tube set)
393766-38	I" (2.5 cm) Hose Barb Fitting (for PVDF tube set)
393766-39	Wing Nut (for PVDF tube set)
393766-40	39" (1 m) Inner Tube (for PVDF tube set)
393766-41	39" (1 m) Outer Tube (for PVDF tube set)
393766-42	Pump Housing (w/Bushing) (for PVDF tube set)
393766-43	Impeller (PVDF) (for PVDF tube set)
393766-44	Foot Pump (for PVDF tube set)
393766-45	Connection Flange (for SS tube set)
393766-46	39" (1 m) Drive Shaft (for SS tube set)
393766-47	39" (1 m) Guide Sleeve (TFE) (for SS tube set)
393766-48	Wing Nut (for SS tube set)
393766-49	Seal (TFE) (for SS tube set)
393766-50	I" (2.5 cm) Hose Barb Fitting (for SS tube set)
393766-51	39" (1 m) Inner/Outer Tube Assembly (for SS tube set)
393766-52	Pump Housing (w/Bushing) (for SS tube set)
393766-53	Impeller (TFE) (for SS tube set)
393766-54	2-Set Viton® O-Ring (for SS tube set)
393766-55	Foot Pump (for SS tube set)
393766-56	Coupling Pump (for all ODP motors)
393766-57	115 VAC Carbon Brush (for 115 VAC ODP motors)
393766-58	230 VAC Carbon Brush (for 230 VAC ODP motors)



# Motor/Tube Chemical Combinations

#### Motor ODP/TEFC Down Tube PP

#### **Suitable Chemicals**

Acetic acid (10 to 80%) Acetic acid, glacial (to 100°F, 38°C) Aluminum chloride Aluminum fluoride Aluminum hydroxide Aluminum nitrate Aluminum potassium nitrate Aluminum sulfate Ammonium bifluoride (to 70°F, 21°C) Ammonium carbonate Ammonium chloride Ammonium fluoride (25%) Ammonium hydroxide Ammonium nitrate Ammonium nitrite (to 70°F, 21°C) Ammonium oxalate Ammonium persulfate Ammonium phosphate (monobasic, dibasic, tribasic) Ammonium sulfate Arsenic acid Barium carbonate

Barium chloride Barium hydroxide Barium sulfate Barium sulfide Bismuth carbonate Black liquors Boric acid Bromic acid Butyric acid Calcium bisulfide Calcium bisulfite Calcium chlorate Calcium chloride

Calcium hydroxide Calcium hypochlorite (to 70°F, 21°C) Calcium nitrate Calcium sulfate Calcium sulfite Carhonic acid Cellosolve® Chromic acid, 10% Chromic acid, 50% Citric acid Citric oils Copper chloride

Copper cyanide Copper nitrate Ethylene glycol Fatty acids Ferric chloride Ferric nitrate Ferric sulfate Ferrous chloride Ferrous sulfate Fluoboric acid Fluosilicic acid Formaldehyde

Formic acid

Gallic acid

Glycerin Hydrobromic acid Hydrochloric acid, 20% Hydrochloric acid, 37% (cold) Hydrofluoric acid, 20% Hydrofluosilicic acid, 20% Hydrogen fluoride lodine Lactic acid Lead acetate Lead sulfamate Magnesium carbonate Magnesium chloride Magnesium hydroxide

Maleic acid Mercuric chloride, dilute solution

Mercuric cyanide Milk

Magnesium sulfate

Muriatic acid, 20% Muriatic acid, 37% (cold)

Nickel chloride Nickel sulfate Nitric acid, 20% Nitrobenzene Oleic acid Oxalic acid Phenol (carbolic acid) Phosphoric acid, <20% Phosphoric acid, 20 to 40%

Phosphoric acid, 20 to 45% Photographic solutions Plating solutions, chrome 40 Plating solutions, copper Plating solutions, gold Plating solutions, iron Plating solutions, lead Plating solutions, nickel Plating solutions, silver Plating solutions, tin Plating solutions, zinc Potassium bicarbonate Potassium bromide Potassium carbonate Potassium chlorate

Potassium chloride Potassium chromate Potassium dichromate Potassium hydroxide Potassium nitrate Potassium permanganate Potassium sulfate

Silicone oil

Silver nitrate Soap solutions Sodium bicarbonate Sodium bisulfate Sodium bisulfite Sodium bromide Sodium carbonate Sodium chlorate, 50% Sodium chloride Sodium cyanide Sodium hydroxide, 20% Sodium hydroxide, 50%

Sodium hydroxide, 80% Sodium hypochlorite, <20% Sodium nitrate Sodium perborate Sodium phosphate

Sodium silicate Sodium sulfate Sodium sulfide Sodium thiosulfate Stannic chloride Sulfate liquors Sulfur Sulfuric acid. < 10% Sulfuric acid, 10 to 75% Sulfurous acid

**Motor** XPRF **Down Tube SS** 

Tannic acid

Transformer oil

#### **Suitable Chemicals**

Acetaldehyde Acetate solvents Acetone Acetyl chloride Acetylene **Alcohols** Ammonia, aqua (10%) Ammonia, aqueous

Ammonia, concentrated Amyl acetate Amyl chloride Barium nitrate

Butane Butyl acetate Butylene Carbon disulfide Cetyl alcohol Chlorobenzene Copper sulfate Cyclohexane Cyclohexanol Cyclohexanone Diethyl ether Diisobutylene

Epichlorohydrin Ethanolamine Fther Ethyl acetate Ethyl chloride Ethyl ether Ethylene chloride

Ethylene dichloride Heptane Hexane

Hydrogen peroxide Hydrogen sulfide (cold) Hydrogen sulfide (hot) Isopropyl ether Jet fuel (JP3, JP4, JP5) Lacquer solvents

Ligroin Methyl acetone Methyl ethyl ketone Methyl isobutyl ketone Monoethanolamine Naphtha Naphthalene

Tartaric acid Titanium tetrachloride Wood oil

Xylene

Motor ODP/TEFC **Down Tube PVDF** 

## **Suitable Chemicals**

Acetamide (below 75°F, 24°C)

Acetic acid

Acetic acid, glacial (to 120°F, 49°C)

Aluminum chloride Aluminum fluoride Aluminum hydroxide Aluminum nitrate

Aluminum potassium nitrate

Aluminum sulfate Ammonium bifluoride Ammonium carbonate Ammonium chloride Ammonium fluoride (10-25%)

Ammonium hydroxide Ammonium nitrate

Ammonium persulfate

Ammonium phosphate (monobasic,

dibasic, tribasic) Ammonium sulfate

Ammonium sulfide (to 120°F, 49°C)

Ammonium thiocyanate Ammonium thiosulfate Aniline (to 75°F, 24°C)

Aniline hydrochloride (to 75°F, 24°C) Aqua regia, 80% (to 75°F, 24°C)

Arsenic acid Barium carbonate Barium chloride Barium hydroxide Barium sulfate Barium sulfide

Benzaldehyde (to 75°F, 24°C) Benzene sulfonic acid (to 75°F, 24°C)

Benzoic acid Bismuth carbonate Black liquors Boric acid Brine acid Bromic acid

Bromine, liquid (to 150°F, 66°C)

Bromine water Butyric acid Calcium bisulfide Calcium bisulfite Calcium chlorate Calcium chloride Calcium hydroxide

Calcium hypochlorite (to 70°F, 21°C)

Calcium nitrate Calcium sulfate Carbonic acid Carbon tetrachloride Cellosolve® Chlorine, liquid

Chlorobenzyl chloride (to 125°F, 52°C) Chloroform (to 125°F, 52°C)

Chromic acid, 10% (to 120°F, 49°C) Chromic acid, 50% (to 120°F, 49°C)

Citric acid

#### Motor ODP/TEFC **Down Tube PVDF**

#### **Suitable Chemicals** Continued

Copper chloride Copper cyanide Copper nitrate

Cresylic acid (to 150°F, 66°C)

Diesel fuels Ethylene glycol Fatty acids Ferric chloride Ferric nitrate Ferric sulfate Ferrous sulfate

Fluoboric acid (to 140°F, 60°C)

Fluosilicic acid

Formaldehyde (to 120°F, 49°C)

Formic acid **Furfural** 

Gallic acid (to 75°F, 24°C)

Gelatin Glue, PVA Glycerin Glycols

Hydrobromic acid Hydrochloric acid, 20% Hydrochloric acid, 37% (cold)

Hydrochloric acid, 37% (hot) Hydrofluoric acid, 20%

Hydrofluoric acid, 50% Hydrofluoric acid, 75%

Hydrofluoric acid, conc. (cold) Hydrofluosilicic acid, 20%

Hypochlorous acid lodine (to 150°F, 66°C) Lactic acid (to 120°F, 49°C)

Lead acetate Magnesium carbonate Magnesium chloride Magnesium hydroxide

Magnesium sulfate Maleic acid

Mercuric chloride, dilute solution

Mercuric cyanide Methyl chloride Milk

Muriatic acid, 20% Muriatic acid, 37% (cold) Muriatic acid, 37% (hot)

Nickel chloride Nickel sulfate Nitric acid, 20%

Nitric acid, conc. (to 120°F, 49°C)

Nitrobenzene (to 75°F, 24°C) Oleic acid

Oxalic acid (to 125°F, 52°C)

Palmitic acid Perchloric acid+C131 Perchloroethylene Petrolatum Phenol (carbolic acid)

Phosphoric acid, <20% Phosphoric acid, 20 to 40%

Phosphoric acid, 20 to 45% Plating solutions, chrome 40 Plating solutions, copper

Plating solutions, iron Plating solutions, lead Plating solutions, nickel

Plating solutions, silver

Plating solutions, tin Plating solutions, zinc Potassium bicarbonate Potassium bromide Potassium carbonate Potassium chlorate Potassium chloride Potassium chromate Potassium dichromate

Potassium hydroxide (to 150°F, 66°C)

Potassium nitrate Potassium permanganate Potassium sulfate Propionic acid C159 Silicone oil Silver nitrate Soap solutions Sodium bicarbonate Sodium bisulfate Sodium bisulfite Sodium borate Sodium bromide Sodium carbonate Sodium chlorate, 50% Sodium chloride Sodium cyanide Sodium hydroxide, 20% Sodium nitrate Sodium phosphate

Sodium silicate Sodium sulfate Sodium sulfide Sodium thiosulfate Stannic chloride

Stearic acid Sulfur

Sulfur chloride (to 75°F, 24°C) Sulfur dioxide Sulfuric acid, <10% Sulfuric acid, 10 to 75% Sulfuric acid, 66° Baume (to 120°F, 49°C)

Sulfurous acid Tannic acid

Trichloroacetic acid (to 75°F, 24°C)

Trichloroethylene

Triethylamine (to 125°F, 52°C)

Zinc hydrosulfite

#### Motor ODP/TEFC **Down Tube SS**

#### Suitable Chemicals

Acetamide (above 75°F, 24°C) Acetic anhydride Amines

Ammonium bifluoride Ammonium carbonate Ammonium hydroxide Ammonium nitrate Ammonium oxalate

Ammonium persulfate Ammonium phosphate (monobasic, dibasic, tribasic)

Ammonium sulfate Ammonium thiosulfate Aniline

Aniline dyes Anisole Arsenic acid Barium carbonate

Barium chloride Barium hydroxide Barium sulfate Barium sulfide Benzaldehyde Benzene Benzol

Benzene sulfonic acid\* Benzoic acid Boric acid Bromine water Butyric acid Calcium bisulfide Calcium bisulfite Calcium chlorate Calcium chloride Calcium hydroxide Calcium hypochlorite

Calcium nitrate Calcium sulfate Calcium sulfite Carbonic acid Carbon tetrachloride Cellosolve® Chloroform

Chromic acid, 10% Chromic acid. 50%\* Citric acid

Citric oils Copper cyanide Copper nitrate Cresylic acid Diacetone alcohol Diesel fuels Dimethyl formamide

Dioctyl phthalate Dyes Ethylene glycol Fatty acids Ferric chloride Ferric nitrate Ferric sulfate Ferrous sulfate Fluoboric acid Formaldehyde Formic acid **Furfural** Gallic acid Gelatin Glue, PVA

Glycerin Glycols Hydrogen fluoride Lactic acid Lead acetate Magnesium carbonate Magnesium chloride Magnesium hydroxide Magnesium sulfate Maleic acid

Mercuric cyanide

Methyl chloride

Methylene chloride Milk

Muriatic acid, 20% Muriatic acid, 37% (cold)

Nickel chloride Nickel sulfate Nitric acid, 20% Nitric acid, red fuming

Nitrobenzene Oleic acid

**Oleum** Oxalic acid Palmitic acid Perchloroethylene Petrolatum

Phenol (carbolic acid) Phosphoric acid, <20% Phosphoric acid, 20 to 40% Phosphoric acid, 20 to 45%

Phosphorus, red Phosphorus, yellow Photographic solutions Plating solutions, chrome 40 Plating solutions, copper Plating solutions, gold Plating solutions, iron Plating solutions, silver Plating solutions, tin Plating solutions, zinc

Potassium bicarbonate Potassium bromide Potassium carbonate Potassium chlorate Potassium chloride Potassium chromate Potassium dichromate Potassium hydroxide Potassium nitrate Potassium permanganate Potassium sulfate Propionic acid Silicone oil

Silver nitrate Soap solutions Sodium acetate Sodium bicarbonate Sodium bisulfate Sodium bisulfite Sodium borate Sodium bromide Sodium carbonate Sodium chlorate, 50% Sodium chloride Sodium cyanide Sodium hydroxide, 20% Sodium hydroxide, 50%

Sodium metaphosphate Sodium nitrate Sodium phosphate\* Sodium silicate Sodium sulfate Sodium sulfide Sodium thiosulfate Stearic acid Sulfur Sulfur dioxide Sulfuric acid, <10% Sulfuric acid, 10 to 75%

Sulfurous acid Tannic acid Tetrahydrofuran Tetralin Toluene Transformer oil Trichloroethylene Tricresyl phosphate

Zinc hydrosulfite

Sulfuric acid, 66° Baume