

ASI

ADHESIVES & SEALANTS INDUSTRY

Serving the Global Formulator, Manufacturer & End User

Raw Materials, Equipment Source & Buyers Guide 2012 Product Listings

A. ADDITIVES AND CHEMICAL SPECIALTIES

10100 Accelerating and Vulcanizing Agents

- 10150 Abrasives
- 10200 Dithiocarbamates
- 10250 Sulfur
- 10300 Thiazoles
- 10350 Thiuram Sulfides
- 10400 Zinc Oxides
- 10450 Misc. Accelerating and Vulcanizing Agents

10500 Acids (Non-Fatty)

10525 Additives

10550 Adhesion Promoters:

- 10600 Adhesive Bonding Primers
- 10650 Alpha Methyl-Styrene Polymers
- 10700 Hydrogenated Resins
- 10800 Pentaerythritol Esters
- 10850 Phenolic Resins
- 10900 Resorcinol
- 10950 Silane
- 10960 Silicone
- 10980 Unsaturated Polyesters
- 11000 Vinyl Pyridine Monomer
- 11050 Misc. Adhesion Promoters

11100 Amine Neutralizers

11125 Ammonia

11150 Anti-Foaming Agents:

- 11200 Non-Silicone
- 11250 Silicone
- 11300 Misc. Anti-Foaming Agents

11350 Antioxidants:

- 11400 Phenolic
- 11450 Phosphite
- 11500 Misc. Antioxidants

11550 Anti-Settling Agents

11600 Anti-Skinning Agents

11650 Anti-Static Chemicals

11700 Anti-Tack Agents

11750 Bleaches:

- 11800 Hydrogen Peroxide
- 11850 Sodium Bisulfide
- 11900 Sodium Perborate
- 11950 Sodium Peroxide
- 12000 Misc. Bleaches

12050 Catalysts

12100 Caustics and Caustic Soda

12150 Coalescing Agents

12200 Colloidal Stabilizers:

- 12250 Animal Glue
- 12300 Carboxymethyl Cellulose
- 12350 Casein
- 12400 Cellulose Ethers
- 12450 Gelatin
- 12500 Guar Gums
- 12550 Gum Arabic
- 12600 Polyvinyl Alcohol
- 12650 Soaps
- 12700 Sodium Polyacrylate
- 12750 Misc. Colloidal Stabilizers

12800 Composite Surfacing Films

12850 Corrosion Inhibitors

12900 Crosslinking and Curing Agents:

- 12950 Aluminum Salts
- 13000 Ammonium Chloride
- 13050 Calcium Salts
- 13100 Diphenylmethane Diisocyanate (MDI)

- 13150 Epoxy Curing Agents
- 13200 Formaldehyde
- 13250 Hexamine
- 13300 Ketone Formaldehyde Resins
- 13350 Melamine Formaldehyde Resins
- 13400 Paraformaldehyde
- 13450 Phenol-Formaldehyde Resins
- 13500 Polyfunctional Aziridines
- 13550 Polyols
- 13600 Resorcinol Resins
- 13650 Silane
- 13700 Silicone
- 13750 Toluene Diisocyanate (TDI)
- 13800 Urea-Formaldehyde Resins
- 13850 Zinc Salts
- 13900 Zirconium
- 13950 Misc. Crosslinking Agents

14000 Defoamers:

- 14050 Aluminum Stearate
- 14100 Amyl Alcohol
- 14150 Capryl Alcohol
- 14200 Castor Oil
- 14250 Corn Oil
- 14300 Decyl Alcohol
- 14350 Diethylene Glycol Monolaurate
- 14400 Glyceryl Monostearate
- 14450 Mineral Oil
- 14500 Nonyl Alcohol
- 14550 Octyl Alcohol
- 14600 Palmitic Acid
- 14650 Pine Oil
- 14700 Polyalkyl Glycol
- 14750 Silicone Oils
- 14800 Stearic Acid
- 14850 Sulfonic Acid Salts
- 14900 Tri-Butyl Citrate
- 14950 Tri-Butyl Phosphate
- 15000 Turkey Red Oil
- 15050 Misc. Defoamers

15075 Dispersing Agents

15100 Driers:

- 15150 Cobalt
- 15200 Drying Salts
- 15250 Naphthenates
- 15300 Neodecanoates
- 15350 Octoates
- 15400 Tallates
- 15450 Water Dispersible
- 15500 Misc. Driers

15550 Drying Oils

15600 Elastomers

15650 Ethyl Cyanoacetate

15700 Extenders and Fillers:

- 15750 Aramid Pulp
- 15800 Asphalts
- 15850 Carbon Black
- 15900 Calcium Carbonate
- 15950 Cellulose Fibers
- 16000 Cotton Fibers
- 16050 Coumarone Indene Resins
- 16100 Fibers
- 16150 Fusible Fibers
- 16200 Hydrocarbon Resins
- 16250 Kaolin and Other Clays
- 16300 Mica
- 16350 Monofilaments
- 16400 Polyester Fibers
- 16450 Rosin Derivatives
- 16475 Silane

- 16500 Silica
- 16550 Sodium Silicates
- 16600 Strontium Sulfate/Celestite
- 16625 Talc
- 16650 Terpene Resins
- 16800 Wollastonite
- 16850 Misc. Extenders and Fillers

16900 Fabrics

16950 Flame and Smoke Retardants

17000 Flocculants

17050 Freeze-Thaw Stabilizers

17100 Glycerine

17150 Humectants:

- 17200 Calcium Chloride
- 17250 Diethylene Glycol
- 17300 Ethylene Glycol
- 17350 Glucose
- 17400 Glycerine
- 17450 Hexylene Glycol
- 17500 Propylene Glycol
- 17550 Sodium Nitrate
- 17600 Sorbitol
- 17650 Urea
- 17700 Misc. Humectants

17750 Impact Modifiers

17775 Isocyanate Hardeners

17800 Lactate Esters

17850 Liquefiers:

- 17900 Acetic Acid
- 17950 Ammonium Thiocyanate
- 18000 Calcium Chloride
- 18050 Calcium Nitrate
- 18100 Dicyandiamide
- 18150 Sulfonated Oils
- 18200 Thiourea
- 18250 Urea
- 18300 Misc. Liquefiers

18350 Moisture Scavengers

18400 Monomers

18450 Nitrocellulose

18500 Perfuming and Masking Agents:

- 18550 Oil of Cloves
- 18600 Oil of Lemongrass
- 18650 Oil of Peppermint
- 18700 Oil of Sassafras
- 18750 Oil of Wintergreen
- 18800 Terpinol
- 18850 Misc. Perfuming and Masking Agents

18900 Peroxides

18950 Persulfates

19000 Petrolatum

19050 Photo-Curing Materials/Photoinitiators

19100 Plasticizers:

- 19150 Adipates
- 19200 Alkyl Diaryl Phosphate
- 19250 Azelaic Acid
- 19300 Benzoates
- 19350 Butyl Benzyl Phthalate
- 19400 Calcium Chloride
- 19450 Castor Oil (Polymerized/Oxidized)
- 19500 Castor Oil (Raw/Refined)
- 19550 Citric Acid Esters
- 19600 Dibutoxyethyl Phthalate
- 19650 Dibutyl Phthalate
- 19700 Dicyclohexyl Phthalate
- 19750 Diethylene Glycol Dibenzoate
- 19800 Diisobutyl Adipate
- 19850 Diisodecyl Adipate
- 19900 Diisooctyl Phthalate

19950 Dimethyl Phthalate
 20000 Dioctyl Adipate
 20050 Dioctyl Phthalate
 20100 Diphenyl Phthalate
 20150 Dipropylene Glycol Dibenzoate
 20200 Epoxidized
 20250 Glycerine
 20300 Magnesium Sulfate
 20325 Mineral Oil
 20350 Phosphates
 20400 Phthalates
 20450 Polymeric
 20500 Propylene Glycol
 20550 Sebacates
 20600 Silicone
 20650 Sodium Nitrate
 20700 Sulfonamides
 20750 Tricresyl Phosphate
 20800 Trimellitates
 20850 Tri (2-Ethyl Hexyl) Trimellitate
 20900 Triphenyl Phosphate
 20950 Urea
 21000 Misc. Plasticizers
21050 Plastics
21100 Preservatives:
 21150 Benzoic Acid
 21200 Biocides
 21250 Borax
 21300 Dihydroxybenzoic Esters
 21350 Formaldehydes
 21400 Fungicides
 21450 Hydroxy Benzoic Esters
 21500 Mercurial
 21550 Non-Mercurial
 21600 Phenols
 21650 Sodium Benzoate
 21700 Sodium Fluorides
 21750 Sodium Propionates
 21800 Misc. Preservatives
21850 Pressure-Sensitive Substrates:
 21900 Film
 21950 Foam
 22000 Foil
 22050 Papers
 22100 Release Liners, Non-Silicone-Coated
 22125 Release Liners, Silicone-Coated
 22150 Tape
 22200 Misc. Pressure-Sensitive Substrates
22225 PTSI (paratoluene sulfonyl isocyanate)
22250 Release Agents
22300 Release Coatings
22325 Rheological Modifiers
22350 Sepiolite-Hydrated Colloidal Magnesium Silicate Clay Mineral
22400 Soaps, Sodium and Potassium
22450 Sodium Bisulfite
22500 Softeners and Anti-Blocking Agents:
 22550 Beeswax
 22600 Coal Tar Oils
 22650 Hydrogenated Castor Oil
 22700 Hydrogenated Vegetable Oils
 22750 Paraffin Waxes
 22800 Rosin Esters
 22850 Stearic Acid
 22900 Misc. Softeners and Anti-Blocking Agents
22950 Stabilizers:
 23000 Lead
 23050 Non-Metallic
 23100 Static Preventive
 23150 Stearates
 23200 Urethane
 23250 Water-Removing
 23300 Misc. Stabilizers
23350 Surface Conditioners and Modifiers
23400 Surfactants and Dispersing Agents:
 23450 Detergents
 23500 Dispersing Agents
 23550 Emulsifying Agents
 23600 Silane
 23650 Soya Lecithin
 23700 Wetting Agents
 23750 Misc. Surfactants and Dispersing Agents
23800 Syntactic Core

23850 Tackifiers
23900 Thickening Agents:
 23950 Bentonites
 24000 Carboxymethyl Cellulose
 24050 Guar Gum
 24100 Hydroxyethyl Cellulose
 24150 Locust Bean Gum
 24200 Methyl Cellulose
 24250 Polyvinyl Alcohols
 24300 Polyvinylpyrrolidone
 24350 Sodium, Potassium and Ammonium Alginate
 24400 Sodium, Potassium and Ammonium Polyacrylates
 24450 Soluble Polystyrene Copolymers
 24500 Solvent-Based
 24550 Starches
 24600 Water-Based
 24650 Misc. Thickeners
24700 Thixotropes
24750 UV Absorbers
24800 Viscosity-and Flow-Control Agents
24850 Wetting Agents
24900 Water Repellents
24950 Water-Treatment Chemicals
25000 Wax, Dispersions
25050 Wax, Emulsions
25100 Wax, Microcrystalline
25150 Wax, Synthetic
25200 Waxes
25250 Misc. Additives and Chemical Specialties

B. OILS AND FATTY ACIDS

25350 Coconut Oil
25400 Dehydrated Castor Oil
25450 Fatty Acids
25500 Linseed Oil
25525 Mineral Oil
25550 Soybean Oil
25600 Sunflower Oil
25650 Synthetic and Modified Oils
25700 Tall Oils
25750 Misc. Oils and Fatty Acids

C. RESINS AND BASE POLYMERS

25850 Acrylic Resins:
 25900 Ethylene-Acrylic Ester Copolymers
 25950 Ethylene-Acrylic Ester-GMA Terpolymers
 26000 Ethylene-Acrylic Ester-Maleic Anhydride Terpolymers
 26050 Ethylene-N-Butylacrylate Copolymers
 26100 Polymer Emulsion
 26150 Solid
 26200 Solution
 26250 Water-Reducible
 26300 Misc. Acrylic Resins
26350 Alkyd Resins:
 26400 Alkyd Polyester
 26450 Alkyd and Oil Copolymers
 26500 Drying Oil-Modified
 26550 Non-Drying and Semi-Oxidizing, Oil-Modified
 26600 Thixotropic
 26650 Water-Reducible
 26700 Misc. Alkyd Resins
26750 Amino Resins
26800 Amorphous Polypropylene
26850 Bitumens
26900 Block Copolymers
26950 Butadiene-Acrylonitrile Rubber
27000 Butyl Rubber
27050 Chlorinated Rubber
27100 Cyanoacrylates
27150 Dispersions
27200 Epichlorohydrin Rubber
27250 Epoxy Films and Paste
27300 Epoxy Flexibilizers/Diluents
27350 Epoxy Hardeners
27400 Epoxy Resins:
 27450 Ester
 27500 Liquid/Solution

27550 UV-Curing
 27600 Misc. Epoxy Resins
27650 Ester Gums
27700 Ethylene-Propylene Rubber
27750 Fluoropolymers
27800 High-Solids Resins
27850 Hydrocarbon Resins:
 27900 Coumarone-Indene
 27950 Emulsion
 28000 Liquid/Solution
 28050 Pure Monomer Resins
 28100 Solid
 28150 Terpene
 28200 Misc. Hydrocarbon Resins
28250 Hydrogenated Acrylonitrile-Butadiene Rubber
28300 Latex Resins
28350 Maleic Resins:
 28400 Maleic Anhydride EVA Terpolymers
 28450 Maleic Anhydride Graft Polyethylene Copolymers
 28500 Maleic Anhydride Graft Polypropylene Copolymers
 28550 Misc. Maleic Resins
28600 Melamine and Melamine-Type Resins
28650 Mineral-Based:
 28700 Asphalt
 28750 Gilsonite
 28800 Misc. Mineral-Based
28850 Natural Latex
28900 Natural Rubber
28950 Phenolic Resins:
 29000 Phenol Formaldehyde
 29050 Polyamide
 29100 Resorcinol Formaldehyde
 29150 Resorcinol Phenol Formaldehyde
 29200 Solid
 29250 Solution
 29300 Misc. Phenolic Resins
29350 Polyacrylic Rubber
29400 Polyamide Resins
29450 Polybutadienes
29500 Polybutadienes, Liquid Hydroxyl-Terminated
29550 Polybutenes
29600 Polychloroprene
29650 Polyester Resins:
 29700 Saturated
 29750 Unsaturated
 29800 Water-Reducible
 29850 Misc. Polyester Resins
29900 Polyethylene/EVA Copolymers
29950 Polyimides
30000 Polyisobutylene
30050 Polyisoprene
30100 Polyolefins:
 30150 Chlorinated
 30200 Polyethylene
 30250 Polypropylene
 30300 Misc. Polyolefins
30325 Polyols
30350 Polysaccharide Resins
30400 Sulfidides
30450 Protein-Based:
 30500 Casein
 30550 Soybean
 30600 Misc. Protein-Based
30650 Reclaimed Rubber
30700 Resin Intermediates:
 30750 Isophthalic Acid
 30800 Phthalic Anhydride
 30850 Terephthalic Acid
 30900 Trimellitic Anhydride
 30950 Misc. Resin Intermediates
31000 Resorcinol
31050 Rosin Esters
31075 Rosins
31100 Silicone Dispersions
31150 Silicone Resins
31200 Styrene Resins:
 31250 Polystyrene
 31300 Solid
 31350 Solution

31400 Styrene and Vinyl Toluene, Polymer and Copolymer
 31450 Styrene Butadiene Emulsions
 31500 Styrene Butadiene Rubber
 31550 Styrene Ethylene Butadiene Styrene Rubber (SEBS)
 31600 Misc. Styrene Resins
31650 Thermoplastic Resins
31700 Thermosetting Resins
31750 Urea Resins
31800 Urethane Resins:
 31850 Hot Melt Films
 31900 One-Component
 31950 Two-Component
 32000 Waterborne
 32050 Misc. Urethane Resins
32100 UV-Curing Resins
32150 Vegetable-Based:
 32200 Dextrin
 32250 Natural Gums (Arabic, karaya, tragacanth)
 32300 Shellac
 32350 Soybean
 32400 Starch (corn, tapioca, wheat, potato, sage)
 32415 Tall Oil Rosins
 32425 Terpene Resins
 32450 Wood Rosin
 32500 Misc. Vegetable-Based
32550 Vinyl Resins:
 32600 Ethylene Vinylacetate (Solid)
 32650 Polyvinyl Acetate
 32700 Polyvinyl Alcohol
 32750 Polyvinyl Chloride
 32800 Polyvinylidene Chloride
 32850 Vinyl Acetate Ethylene Emulsions
 32900 Vinyl Acetate Polymer Emulsions
 32950 Misc. Vinyl Resins
33000 Misc. Resins and Base Polymers
33025 Polyamino Co-Reactants

D. PIGMENTS AND DYES, DRY/DISPERSIONS AND EXTENDERS

33075 Anticorrosive Pigments
33100 Antimony Oxide
33150 Extender Pigments:
 33200 Alumina Trihydrate
 33250 Aluminum Oxide
 33275 Aluminum Silicate
 33300 Barium Sulfate (Barytes, Blanc Fixe)
 33350 Bentonite
 33400 Calcium Carbonate (Natural Ground, Precipitated)
 33450 Carbon Black
 33500 China Clay and Aluminum Silicate
 33525 Magnesium Silicate
 33550 Mica
 33600 Silica, Amorphous - Naturally Occurring
 33650 Silica, Amorphous - Synthetic
 33700 Silica, Quartz and Diatomaceous
 33750 Talc or Magnesium Silicate
 33800 Titanium Dioxide
 33850 Misc. Extender Pigments
33870 Inorganic Pigment Dispersions
33875 Inorganic Pigments
33900 Lithopones
33920 Organic Pigment Dispersions
33925 Organic Pigments
33950 Pearlescent Pigments
34000 Pigment Dispersions
34050 Titanium Dioxide
34100 Zinc Oxide
34150 Zinc Sulfide
34200 Misc. Pigments and Dyes

E. SOLVENTS

34300 Acetates
34350 Acetone
34400 Alcohols
34450 Aliphatic
34500 Amyl Acetate
34550 Amyl Alcohol

34600 Aromatic
34650 Benzene, Benzol
34700 Butanone (Methyl Ethyl Ketone)
34750 Butyl Acetate
34800 Butyl Alcohol
34850 Carbon Tetrachloride
34900 Cellulose Acetate
34950 Chlorinated
35000 Chloroform
35050 Chloroethene
35100 Custom Solvent Blends
35150 Cyclohexane
35200 Cyclohexanol
35250 Cyclohexanone
35300 d-Limonene
35350 Denatured Ethyl Alcohol
35400 Diglyme
35450 Dimethyl Formamide
35500 Dioxane
35550 Diisobutyl Ketone
35600 Esters
35650 Ethers
35700 Ethyl Acetate
35750 Ethyl Acrylate
35800 Ethyl Alcohol (Ethanol)
35850 Ethyl Ether
35900 Ethylene Dichloride (1, 2-Dichloroethane)
35950 Ethylene Glycol Butyl Ether
36000 Ethylene Glycol Ethyl Ether
36050 Ethylene Glycol Ethyl Ether Acetate
36100 Ethylene Glycol Methyl Ether
36150 Ethylene Glycol Methyl Ether Acetate
36200 Glycol
36250 Glycol Ethers
36300 Heptane
36350 Hexane
36400 Hydrocarbon
36450 Isophorone
36500 Isopropanol (Isopropyl Alcohol)
36550 Isopropyl Acetate
36600 Kerosene
36650 Ketones
36700 Methyl Acetate
36750 Methyl Alcohol (Methanol)
36800 Methyl Chloroform
36850 Methyl Cyclohexane
36900 Methyl Ethyl Ketone (Butanone)
36950 Methyl Isobutyl Ketone
37000 Methyl Propyl Ketone
37050 Methylene Chloride
37100 Mineral Spirits
37150 N-Methyl-2-Pyrrolidone
37200 Naphtha (Coal Tar)
37250 Naphtha (Petroleum)
37300 Nitromethane
37350 Nitroparaffins
37400 Nitropropane
37450 Organic
37500 Perchloroethylene
37550 Petroleum Distillate
37600 Propyl Acetate
37650 Propyl (iso) Alcohol
37700 Propylene Glycol Butyl Ether
37750 Propylene Glycol Ethyl Ether
37800 Propylene Glycol Ethyl Ether Acetate
37850 Propylene Glycol Methyl Ether
37900 Propylene Glycol Methyl Ether Acetate
37950 Reclaimed Solvents
38000 Resorcinol
38050 Solvent Replacements
38100 Stoddard Solvents
38150 Styrene
38200 Tetrahydrofuran
38250 Toluene (Toluol)
38300 Trichloro Trifluoro Ethane (TTE)
38350 Trichloroethane
38400 Trichloroethylene
38450 Turpentine
38500 Urethane Flushing Solvent
38550 VOC-Exempt Solvents
38600 Xylene (Xylol)
38650 Misc. Solvents

F. CONTAINERS, PACKAGING AND MATERIAL HANDLING

38750 Aerosol Packaging
38800 Bags, Multi-Wall
38850 Can and Pail Closures
38900 Can and Pail Openers
38950 Can Clips
39000 Caulking Guns
39050 Caulking Guns and Cartridge Loaders
39150 Containers:
 39200 Aluminum Shipping
 39250 Bulk
 39300 Cans
 39350 Composite (Fiber)
 39400 Corrugated
 39450 IBCs
 39500 Metal
 39550 Mini-Bulk
 39600 Pails
 39650 Plastic
 39700 Steel
 39750 Steel Shipping
 39800 Misc. Containers
39850 Conveyors
39900 Conveyors, Pallet
39950 De-nesters
40000 Desiccant Cartridges
40050 Drums:
 40100 Bung Accessories
 40150 Dechimers
 40200 Drum-Handling Equipment
 40250 Process
 40300 Reconditioned
 40350 Stainless Steel
 40400 Tumblers
 40450 Wooden
 40500 Misc. Drums
40550 Drum Liners:
 40600 Interior Linings
 40650 PVC Liners
 40700 Removable Liners
 40750 Misc. Drum Liners
40800 Labels and Marking Equipment
40850 Material-Handling Equipment
40900 Palletizers
40950 Pumps, Drum
41000 Reconditioning
 41050 Bulk Bag
 41100 Misc. Reconditioning
41150 Resin Packaging:
 41200 Cartridges
 41250 Chubs
 41300 Dual Packs
 41350 Sausages
 41400 Syringes
 41450 Tubes
 41500 Misc. Resin Packaging
41550 Tanks:
 41600 Batch
 41650 Liners
 41700 Portable
 41750 Shipping
 41800 Storage
 41850 Wooden
 41900 Misc. Tanks
41950 Washers:
 42000 Drum
 42050 Parts and Pail
 42100 Misc. Washers
42150 Misc. Packaging
42200 Misc. Packaging Machinery

G. EQUIPMENT

42300 Agitators:
 42350 Direct-Drive
 42400 Tank-Mounted
 42450 Misc. Agitators
42500 Application Equipment:
 42550 Cold Adhesive
 42600 Guns, Automatic and Manual
 42650 Guns, Sealant

42700 Hot Melts
 42750 Pattern Controllers
 42800 Misc. Application Equipment
42850 Applicators
42900 Agglomeration Equipment
42950 Autoclaves
43000 Baggers
43050 Batch Controllers
43100 Baths, Constant Temperature
43150 Beads
43200 Blenders:
 43250 Portable
 43300 Ribbon
 43350 Misc. Blenders
43400 Blending Tanks
43450 Bottles-Squeeze Poly
43500 Bulk Unloaders
43550 Burners, Waste
43575 Cartridges, Dispensing (see also Resin Packaging)
43600 Centrifuges
43650 Chemical Cleaners
43700 Chillers (Water and Liquid)
43750 Cleaning Systems
43800 Coaters and Coating Equipment
43850 Color Meters
43900 Communication Equipment
43950 Compressors
44000 Computer Software
44100 Cookers (Starch)
44150 Cooling Equipment
44200 Curing Equipment
44300 Custom Manufacturing
44350 Cutters, Hot Melt
44400 Deaerators
44450 Defoamers
44500 Defoamers (Ultrasonic)
44550 Degassers
44600 Dehumidifiers
44650 Die Cutters
44700 Die Cutting Machinery and Supplies
44750 Dies
44800 Dispensing Equipment (See also Meter/Mix & Dispense Equip.)
44850 Dispersers:
 44900 High-Speed
 44950 High-Viscosity
 45000 Low-Speed
 45050 Low-Viscosity
 45100 Pastes
 45150 Rotor Stator
 45200 Tank-Mounted
45250 Distillation Equipment
45300 Dryers and Drying Equipment
45350 Environmental and Recycling Crushers
45400 Environmental Test Equipment
45450 Environmental-Control Equipment:
 45500 Air-Cleaning Systems
 45550 Dust Collectors
 45600 Misc. Environmental-Control Equipment
45650 Etching Equipment
45700 Evaporation Equipment
45800 Extruders
45850 Filling Equipment
45900 Filter Presses
45950 Filtering Bags/Strainers
46000 Filters, Compressed Air
46050 Filters, Liquid
46100 Flow Meters and Controls
46150 Freezers
46200 Gaskets and Shims
46250 Gauges
46300 Gloss Meters
46350 Grinders, Jet Mill
46400 Grinding Equipment
46450 Grinding Media
46500 Heat Boilers, Waste
46550 Heat Exchangers
46600 Heat Recovery Systems, Waste
46650 Heat Transfer Equipment
46700 Heat-Transfer Fluids
46750 Heaters

46800 Homogenizers
46850 Hose:
 46900 Heated Hose Products
 46950 Steam-Traced Hose
 47000 Misc. Hose
47050 Humidity/Condensation Test Chambers
47100 Impellers
47150 Infrared-Curing Equipment
47200 Instrumentation
47250 Kettles, Resin
47300 Kneaders
47350 Laboratory Equipment
47400 Laminating Machinery
47450 Laminators
47500 Level Controls
47550 Load Cells
47600 Lubricants and Greases
47700 Melters
47750 Meter/Mix and Dispense Equipment (See also Dispensing Equip.)
47800 Metering Equipment
47850 Metering Rods
47900 Meters
47950 Microwave Generators and Equipment
48000 Mills:
 48050 Horizontal Media
 48100 Vertical Media
48150 Mixers and Mixing Equipment:
 48200 Bottom-Entry
 48250 Coaxial
 48300 Cone-Screw
 48350 Counter-Rotating
 48400 Double-Planetary
 48450 Drum
 48500 Dual-Shaft
 48550 High-Shear Batch
 48600 High-Speed Rotor Stator
 48650 High-Viscosity
 48700 In-Line Mechanical
 48750 In-Line Motionless (see Mixers, Static)
 48800 Jacketed Half-Pipe or Dimple
 48850 Jet (Powder Dissolving)
 48900 Low-Shear
 48950 Reactor
 49000 Side-Entry
 49050 Static
 49100 Top-Entry
 49150 Tote-Tank
 49200 Triple-Shaft
 49250 Twin-Shaft
49300 Mixing/Dispersion Blades
49350 Moisture Analyzers
49400 Motors and Drives
49450 Needles, Dispensing
49500 Ovens
49550 Oxidizers:
 49600 Catalytic
 49650 Thermal
49700 Particle Measurement
49750 pH Meters
49800 Pigging Systems
49825 Premelters
49850 Presses
49950 Process-Control Systems
50000 Proportioning Equipment
50050 Pumps
50100 Radiometers
50150 Reactors
50200 Rheometers
50250 Rewinders (Roll-to-Roll)
50300 Rollers
50350 Safety and Health Equipment
50400 Scrapers and Spatulas
50450 Screens, Sieves and Sifters
50500 Sealing Equipment
50550 Separators
50600 Separators, Air Classifiers
50650 Separators, Oil/Water
50750 Size-Reduction Equipment
50800 Slitters
50825 Solar Simulators
50850 Solvent-Recovery Systems

50900 Spectrophotometers
50950 Spray Guns and Nozzles
51000 Static Eliminators
51050 Static Mixing Nozzles
51100 Straining Equipment
51150 Surface Analysis Equipment
51200 Syringes, Dispensing
51250 Tank-Cleaning Equipment
51300 Tank Systems
51350 Tanks:
 51400 Holding
 51450 Mixing
 51500 Temperature-Measuring Equipment
 51525 Tensiometers
 51550 Tension Meters
51600 Testers:
 51650 Abrasion
 51700 Adhesion
 51750 Cure Meters
 51800 Dispersion
 51850 Flash Point
 51900 Force
 51950 Friction
 52000 Gelation Timers
 52050 Hardness (Durometer)
 52100 Impact
 52150 Peel Strength
 52200 Softening Point
 52250 Thickness
 52300 Torque
 52350 Misc. Testers
52400 Testing Equipment
52450 Testing Instruments
52550 Thermal Analysis Equipment
52600 Thermal Oxidizers
52650 Turnkey Processes
52700 Ultrasonic Cleaners
52750 UV Lamps and Equipment
52800 Vacuum Systems
52850 Valves
52900 Vapor-Recovery Systems
52950 Viscometers
53000 Viscosity Standards
53050 Waste-Combustion Equipment
53100 Waste-Reclaim Equipment and Systems
53150 Wastewater-Treatment Equipment
53200 Weathering Test Chambers
53250 Web-Guiding Controls
53300 Web-Inspection Equipment
53350 Weighing Equipment and Scales
53400 Wettability Analyzers
53450 Misc. Equipment

H. SERVICES

55025 Coating and Laminating Services
55050 Consulting and Legal Services
55060 Consulting and Marketing
55075 Custom Blending and Packaging Services
55100 Custom Formulation
55150 Custom Manufacturing
55175 Custom Packaging
55200 Executive Recruiting Services
55250 Market Research
55300 Online Services:
 55350 E-Commerce/Procurement
 55400 Online Consulting
 55450 Online Library
 55500 Online Technical Service Platform
55550 Printing Services
55600 Size-Reduction Services
55650 Surface Analysis Services
55675 Technical Consulting
55700 Testing Services
55750 Thermal Analysis Services
55775 Toll Manufacturing (see Custom Manufacturing)
55800 Misc. Services