

2021 Buyers' Guide

For Service Providers and Suppliers of Raw Materials, Manufacturing Equipment, Instrumentation, Packaging, Environmental, Software, and More.

I. RAW MATERIALS

A. ADDITIVES

<p>00150 ABRASION RESISTANCE IMPROVERS</p> <p>00200 ABSORBENTS</p> <p>00220 ACCELERATORS/HARDENERS</p> <p>00250 ACID CATALYSTS</p> <p>00300 ACID SCAVENGERS</p> <p>00350 ADHESION PROMOTERS</p> <p>00400 AMINE NEUTRALIZERS</p> <p>00450 ANTI-BLOCKING AGENTS</p> <p>00500 ANTI-CRATERING AGENTS</p> <p>00550 ANTI-CRAWLING AGENTS</p> <p>00600 ANTI-FLOAT AGENTS</p> <p>00650 ANTI-FLOODING AGENTS</p> <p>00700 ANTI-FOULING AGENTS</p> <p>00750 ANTI-FREEZING AGENTS</p> <p>00800 ANTI-GELLING AGENTS</p> <p>00850 ANTI-LIVERING AGENTS</p> <p>00900 ANTI-MARRING AGENTS</p> <p>ANTI-MICROBIALS:</p> <p>00950 Algaecides</p> <p>00975 Bactericides</p> <p>01000 Biocides</p> <p>01025 Cuprous Oxide</p> <p>01050 Enzyme-Based Additives</p> <p>01075 Fungicides</p> <p>01100 In-Can Preservatives</p> <p>01125 Insecticides</p> <p>01150 Misc. Preservatives</p> <p>01175 Non-Mercurial</p> <p>01200 Silver-Based</p> <p>01300 ANTI-OXIDANTS</p> <p>01350 ANTI-RUST AGENTS</p> <p>01400 ANTI-SAG AGENTS</p> <p>01450 ANTI-SETTLING AGENTS</p> <p>01500 ANTI-SILKING AGENTS</p> <p>01550 ANTI-SKINNING AGENTS</p> <p>01600 ANTI-SLIP/ANTI-SKID AGENTS</p> <p>01700 ANTI-STATIC AGENTS (Anti-Stats)</p> <p>01750 BIOBASED</p> <p>01800 BODYING AGENTS</p> <p>01850 BRIGHTENERS (Optical)</p> <p>01900 BURNISH-RESISTANT ADDITIVES</p> <p>01950 CATALYSTS</p> <p>02050 CHELATING AGENTS</p> <p>02100 CLEANABILITY ADDITIVES</p> <p>02150 COAGULANTS</p> <p>02200 COALESCENTS (Coalescing Agents)</p> <p>02250 COLLOID STABILIZERS</p> <p>02300 CORROSION INHIBITORS</p> <p>02350 CORROSION-INHIBITIVE PIGMENTS</p> <p>02400 COUPLING AGENTS</p>	<p>02450 CRAZE-RESISTANCE ADDITIVES</p> <p>02500 CROSSLINKING AGENTS</p> <p>02550 CURING AGENTS</p> <p>02600 DEAERATORS</p> <p>02650 DEFLOCCULANTS</p> <p>DEFOAMERS:</p> <p>02750 Misc. Defoamers</p> <p>02800 Non-silicone</p> <p>02850 Silicone</p> <p>02900 DEGASSING AGENTS</p> <p>02950 DENATURANTS</p> <p>03000 DESICCANTS</p> <p>03050 DRIER STABILIZERS</p> <p>DRIERS:</p> <p>03150 Drying Salts</p> <p>03200 Linoleates</p> <p>03250 Misc. Driers</p> <p>03300 Naphthenates</p> <p>03350 Neodecanoates</p> <p>03400 Octoates</p> <p>03450 Tallates</p> <p>03500 Water Dispersible</p> <p>03550 Waterborne</p> <p>03600 DYES (For Use in Stains)</p> <p>03650 ELECTROCONDUCTIVE ADDITIVES</p> <p>03675 ENCAPSULATION TECHNOLOGY</p> <p>03700 EXTENDERS</p> <p>03750 FILLERS - NATURAL, CELLULOSIC, POLYMERIC</p> <p>03800 FISH EYE PREVENTERS</p> <p>03850 FLAME RETARDANTS</p> <p>FLATTING AGENTS:</p> <p>03950 Dispersed</p> <p>04000 Misc. Flattening Agents</p> <p>04050 Non-Metallic</p> <p>04100 FLOCCULANTS</p> <p>04150 FLOW & LEVELING AGENTS</p> <p>04200 FLUIDIZING ADDITIVES</p> <p>04250 FLUORESCENT ADDITIVES</p> <p>04300 FOAMING AGENTS</p> <p>04350 FREEZE-THAW STABILIZERS</p> <p>04400 GELLING AGENTS</p> <p>04450 GLOSS IMPROVERS</p> <p>04500 GLYCERINE</p> <p>04525 GREEN ADDITIVES</p> <p>04550 GRINDING AIDS</p> <p>04600 HALS (Hindered Amine Light Stabilizers)</p> <p>04650 HAMMER FINISH ADDITIVES</p> <p>04750 HASE THICKENERS</p> <p>04800 HEAT STABILIZERS</p> <p>04850 HEUR THICKENERS</p> <p>04900 HOMOGENIZERS</p> <p>04950 HUMECTANTS</p> <p>05000 HYDROPHILES</p> <p>05050 HYDROPHOBIC AGENTS</p>	<p>05100 HYGIENIC COATING ADDITIVES</p> <p>05150 IMPACT RESISTANCE IMPROVERS</p> <p>05200 INK ADDITIVES</p> <p>05250 INTUMESCENT ADDITIVES</p> <p>05300 LEAFING AGENTS</p> <p>05320 LUBRICANTS (Solids)</p> <p>05340 LUBRICANTS (Surfaces)</p> <p>05350 LUMINESCENT ADDITIVES</p> <p>05400 LUSTRANTS</p> <p>05450 MASKING AGENTS</p> <p>05500 MICROSPPHERES</p> <p>05550 MISC. OTHER ADDITIVES</p> <p>05600 MISC. OTHER CHEMICAL SPECIALTIES</p> <p>05650 MISC. POWDER COATING ADDITIVES</p> <p>05700 MISC. VISCOSITY & FLOW-CONTROL AGENTS</p> <p>MOISTURE SCAVENGERS:</p> <p>05775 Misc. Moisture Scavengers</p> <p>05800 Molecular Sieves</p> <p>05825 Zeolites</p> <p>05850 NANOTECHNOLOGY ADDITIVES</p> <p>05900 ODORANTS</p> <p>05950 OILS</p> <p>06000 ORANGE PEEL PREVENTERS</p> <p>06050 ORGANIC PEROXIDES</p> <p>06100 ORGANOCCLAYS</p> <p>06150 pH-CONTROL AGENTS</p> <p>06175 PHOTOCATALYSTS</p> <p>06200 PHOTOINITIATORS</p> <p>06250 PHOTSENSITIZERS</p> <p>06300 PINHOLE PREVENTIVES</p> <p>PLASTICIZERS:</p> <p>06400 Abietates</p> <p>06450 Adipates</p> <p>06500 Benzoates</p> <p>06550 Castor Oil (Polymerized/Oxidized)</p> <p>06600 Castor Oil (Raw/Refined)</p> <p>06650 Epoxidized</p> <p>06700 Misc. Plasticizers</p> <p>06750 Oil-Modified</p> <p>06800 Phosphates</p> <p>06850 Phthalates</p> <p>06900 Polymeric</p> <p>06950 Sebacates</p> <p>07000 Sulfonamides</p> <p>07050 POLYMERIC LIQUID CRYSTALS</p> <p>07100 PRETREATMENT CHEMICALS</p> <p>07150 PRINTING INK DISPERSANTS AND VEHICLES</p> <p>07200 PRINTING INK VARNISHES & COMPOUNDS</p> <p>07250 PROTECTIVE COLLOIDS</p> <p>07300 PUFFING AGENTS</p> <p>07350 REACTIVE DILUENTS</p>
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07375 REDUCING AGENTS
07385 RESIN MODIFIERS
07400 RETENTION AIDS
07450 SEAL/BARRIER COATING ADDITIVES
07453 SELF-HEALING TECHNOLOGY
07475 SLIP AIDS
07485 SMART TECHNOLOGY
07500 SOIL REPELLANTS
07550 SPREADING AGENTS
STABILIZERS:
 07650 Lead
 07700 Misc. Stabilizers
 07750 Non-Metallic
07800 STAIN-RESISTANT ADDITIVES
07850 STEARATES
08150 SURFACE MODIFIERS
08200 SURFACE TENSION REDUCERS
08250 SURFACE-ACTIVE AGENTS
SURFACTANTS AND DISPERSING AGENTS:
 08350 Anionic
 08400 Cationic
 08450 Nonionic
 08500 Detergents
 08550 Dispersing Agents
 08600 Emulsifiers
 08650 Flow Modifiers
 08700 Misc. Surfactants & Dispersing Agents
 08750 Wetting Agents
08800 SUSPENSION AGENTS
08850 SYNERGISTS
08900 TACKIFIERS
08950 TEXTURIZING AGENTS
08975 THERMAL CONDUCTIVITY ADDITIVES
THICKENING AGENTS AND RHEOLOGY MODIFIERS:
 09050 Associative Thickeners
 09100 Cellulosics
 09150 Clays
 09200 Fumed Silica
 09250 Misc. Thickeners
 09300 Precipitated Silica
 09350 Solvent
 09400 Water
09450 TRIBO-CHARGING ADDITIVES
09500 UV ABSORBERS & LIGHT STABILIZERS
09550 VARNISHES
09600 VISCOSITY MODIFIERS
09650 WATER REPELLENTS
09700 WATER-REMOVAL AGENTS/SCAVENGERS
09750 WATER-TREATMENT CHEMICALS
09800 WAX EMULSIONS
09850 WAXES
09900 WET EDGE EXTENDERS
09950 WETTING AGENTS
10000 XANTHAN GUM

B. OILS AND FATTY ACIDS

10100 COCONUT OIL
10150 DEHYDRATED CASTOR OIL
10200 FATTY ACIDS
10250 HYDROCARBON INK OILS
LINSEED OIL:
 10350 Blown
 10400 Boiled
 10450 Misc. Linseed Oil
 10500 Raw
 10550 Refined
 10600 Special

10650 MARINE OIL
10700 MISC. OTHERS
10750 OITICICA OIL
10775 PINE OIL
10800 SOYBEAN LECITHIN
10850 SOYBEAN OIL
10900 SUNFLOWER OIL
10950 SYNTHETIC & MODIFIED OILS
11000 TUNG OIL

C. POLYMERS/RESINS

ACRYLIC RESINS:
 11150 Misc. Acrylic
 11200 Polymer Emulsion
 11250 Solid
 11300 Solution
 11350 Styrene Acrylic Emulsions
 11400 Vinyl Acrylic
 11450 Water-Reducible
ALKYD RESIN:
 11550 Alkyd and Oil Copolymers
 11600 Drying Oil-Modified
 11650 Misc. Alkyd
 11700 Nondrying & Semi-Oxidizing, Oil-Modified
 11750 Thixotropic
 11800 Water-Reducible
11850 AMINO RESINS
11875 BIOBASED
11900 BITUMENS
11925 BUILDING BLOCKS
11950 CELLULOSE RESINS
12000 CROSSLINKING RESINS
12050 EPOXY HARDENERS
EPOXY RESINS:
 12150 Epoxy UV-Curing
 12200 Ester
 12250 Liquid Solution
 12300 Misc. Epoxy
 12350 Solid
 12400 Waterborne
12450 ESTER GUMS
FLUOROPOLYMERS:
 12457 FEVE Resins
 12460 PVDF Resins
12475 GREEN RESINS
12500 HIGH-SOLID RESINS
HYDROCARBON RESINS:
 12600 Coumarone-Indene
 12650 Emulsion
 12700 Liquid/Solution
 12750 Misc. Hydrocarbon
 12800 Polybutadiene
 12850 Solid
 12900 Terpene
12950 MALEIC RESINS
13000 MELAMINE AND MELAMINE-TYPE RESINS
13050 MISC. RESINS
13075 MONOMERS
13100 NATURAL RESINS
13150 NITROCELLULOSE
13200 OLEORESINOUS VARNISHES
13225 ORGANOMETALLIC RESINS
PHENOLIC RESINS:
 13300 Misc. Phenolic
 13350 Modified for Powder Coatings
 13400 Polyamide
 13450 Solid
 13500 Solution 915
 13550 Waterborne
13600 POLYAMIDE RESINS
13650 POLYBUTENES
POLYESTER RESINS:

13800 Misc. Polyester
 13850 Saturated
 13900 Unsaturated
 13950 Water-Reducible
13975 POLYOLS
14000 POLYSACCHARIDE RESINS
14050 ROSIN ESTERS
14100 SILICONE RESINS
14125 SMART TECHNOLOGY
STYRENE RESINS:
 14200 Misc. Styrene
 14250 Styrene/Vinyl Toluene-Polymer & Copolymer Solid
 14300 Styrene/Vinyl Toluene-Polymer & Copolymer Solution
14350 Styrene-Butadiene Emulsions
14400 ULTRAVIOLET-CURING RESINS
14450 UREA RESINS
URETHANE AND POLYURETHANE RESINS:
 14550 Oil-Modified (ASTM Type 1)
 14600 ASTM Type II
 14650 ASTM Type IV
 14700 ASTM Type V
 14750 Misc. Urethane and Polyurethane
 14800 Waterborne
VINYL RESINS:
 14900 Misc. Vinyl
 14950 Polyvinyl Acetate
 15000 Polyvinyl Butyral
 15050 Polyvinyl Chloride and Polyvinylidene Chloride
 15100 Vinyl Acetate Polymer Emulsions

D. PIGMENTS, DISPERSIONS

BLACK, BROWN, AND GRAY PIGMENTS:
 15250 Black Iron Oxide
 15300 Brown and Gray
 15350 Carbon Black
 15400 Drop and Bone Blacks
 15425 IR-Reflective/Cool Black
 15450 Lampblack
 15500 Misc. Black
BLUE PIGMENTS:
 15600 Blue, Purple and Violet PMA and PTA Toners and Lakes
 15650 Indanthrone Blue
 15700 Iron Blue
 15750 Misc. Blue, Purple and Violet
 15800 Phthalocyanine Blue
 15850 Ultramarine Blue
15900 COMPLEX INORGANIC COLOR PIGMENTS
CORROSION-INHIBITING PIGMENTS:
 16000 Misc. Corrosion-Inhibiting
 16050 Zinc Dust and Flakes
 16100 Zinc Phosphate
 16150 Zinc Yellow
DYES:
 16250 Misc. Dyes
 16300 Organic
 16350 Solvent Soluble
 16400 Water-Soluble
EXTENDER PIGMENTS:
 16500 Alumina Trihydrate
 16550 Barium Sulfate (Barytes, Blanc Fixe)
 16600 Bentonite
 16650 Calcium Carbonate (Natural Ground, Precipitated)
 16700 China Clay and Aluminum Silicate
 16750 Feldspar
 16800 Fillers/Fiber
 16850 Glass Spheres
 16900 Mica

16950 Microspheres
 17000 Misc. Extenders
 17050 Nepheline Syenite
 17100 Silica - Amorphous-Naturally Occurring
 17150 Silica - Amorphous-Synthetic
 17200 Silica - Quartz and Diatomaceous
 17250 Talc or Magnesium Silicate
 17300 Wollastonite

GREEN PIGMENTS:
 17400 Chrome Green
 17450 Chromium Oxide
 17500 Green PMA and PTA Toners and Lakes
 17550 Hydrated Chromium Oxide
 17600 Misc. Green
 17650 Phthalocyanine Green
 17700 Pigment Green B

IRON OXIDE PIGMENTS:
 17800 Black Iron Oxide
 17850 Burnt Sienna
 17900 Burnt Umber
 17950 Indian Red
 18000 Metallic Brown
 18050 Mineral Black
 18100 Ochre
 18150 Raw Sienna
 18200 Raw Umber
 18250 Red and Brown Iron Oxide - Natural
 18300 Red and Brown Iron Oxide - Synthetic
 18350 Spanish-Type Oxide
 18400 Transparent Iron Oxides
 18450 Van Dyke Brown
 18500 Yellow Iron Oxide-Synthetic

18550 LIGHT-INTERFERENCE PIGMENTS
METALLIC FLAKES AND POWDERED PIGMENTS:
 18650 Aluminum Pastes - Leafing
 18700 Aluminum Pastes - Non-Leafing
 18750 Aluminum Powders - Leafing
 18800 Aluminum Powders - Non-Leafing
 18850 Gold Bronze Powders
 18900 Leafing Aluminum Enhancer
 18950 Other Metallic Flakes and Powders

18975 OPACITY PIGMENTS
OTHER PIGMENTS:
 19050 High-Performance
 19100 Holographic
 19150 Iridescent
 19200 Luminescent and Fluorescent
 19250 Misc. Other
 19300 Pearlescent
 19350 Pearlescent Pigment Dispersions
 19400 Special-Effect

PIGMENT DISPERSIONS (AQUEOUS):
 19500 Color Concentrates
 19550 Machine Colorants
 19600 Presscakes
 19650 Solvent-Soluble Dyes
 19700 Tube Colorants
 19750 Universal Colorants
 19800 Water-Soluble

PIGMENT DISPERSIONS (NON-AQUEOUS):
 19900 Acrylic Vehicle
 19950 Alkyd Vehicle
 20000 Epoxy Vehicle
 20050 Nitrocellulose Vehicle
 20100 Polyester Vehicle
 20150 Universal Solvent Vehicle Dispersion
 20200 Urethane Vehicle

RED PIGMENTS:
 20300 Alizarine or Madder Lake
 20350 Arylide Red and Maroon
 20400 BON Red and Maroon

20450 Cadmium Red
 20500 Cadmium-Mercury Red, Maroon, and Orange
 20600 Diketopyrrolo Pyrrole (DPP)
 20650 Lithol Rubine
 20700 Misc. Red and Maroon Toners and Lakes
 20725 Naphthol Red
 20750 Para Red, Chlorinated Paranitraniline Toner
 20800 Perylene Red and Maroon
 20850 Pigment Scarlet
 20900 Pyrazolone Red and Maroon
 20950 Quinacridone Pigment
 21000 Red Lake C
 21050 Rhodamine
 21100 Sodium Lithol, Calcium Lithol, and Barium Lithol Toner
 21150 Thioindigold Red and Maroon
 21200 Toluidine Red

WHITE PIGMENTS:
 21300 Aluminum Phosphate
 21350 Antimony Oxide
 21375 TiO₂ Replacement Technology
 21400 Titanium Dioxide - Anatase
 21450 Titanium Dioxide - Rutile
 21500 Zinc Oxide
 21550 Zinc Sulfide

YELLOW AND ORANGE PIGMENTS:
 21625 Bismuth Vanadate
 21650 Cadmium Yellow and Orange
 21700 Chrome Orange
 21750 Chrome Yellow
 21800 Diarylide Orange Toner
 21850 Diarylide Yellow Toner
 21900 Hansa Yellow
 21950 Misc. Yellow and Orange Toners and Lakes
 22000 Misc. Yellow Pigments
 22050 Molybdate Orange
 22100 Orthonitraniline Orange, Dinitraniline Orange

E. SOLVENTS

22200 ALCOHOLS
22250 ALIPHATIC HYDROCARBONS
22300 AROMATIC HYDROCARBONS
22350 CHLORINATED SOLVENTS
22400 COMPLIANT SOLVENTS
22450 CUSTOM SOLVENT BLENDING
22500 DENATURED ALCOHOLS
22550 ESTERS
22600 GLYCOL ETHERS
22650 GLYCOLS
22700 KETONES
22750 MISC. SOLVENTS
22800 NITROPARAFFINS
22850 NON-HAP SOLVENTS
22900 RECLAIMED SOLVENTS

II. MANUFACTURING EQUIPMENT

23000 AGITATORS
23050 BATCH CONTROLLERS
23100 BATCH-WEIGHING EQUIPMENT
23150 BEADS, CERAMIC
23200 BEADS, GLASS, SMALL MEDIA MILL
23250 BLENDERS
23300 BLENDERS, CONICAL
23350 BLENDERS, CYLINDER
23400 BLENDERS, PORTABLE
23450 BLENDERS, RIBBON

23500 BLENDING TANKS
23550 BLUNGER
23600 CENTRIFUGES (also in Test/Measurement section)
CLEANING:
 23620 Blasting/Supplies
 23625 Cleaners/Solvents
 23650 Cleaning Equipment (Systems, Tub, Etc.)
 23670 Industrial Vacuum Cleaners
 23680 Ultrasonic Cleaners

23700 COLOR CARDS
23750 COLOR CONTROL SYSTEMS
23800 COLOR DISPLAYS
23850 COLOR FLUSHING EQUIPMENT
23900 COLOR MERCHANDISING AIDS
23950 COLOR METERS, COLOR-MATCH INSTRUMENTS

24000 CONTROL SYSTEMS
24050 CRUSHERS (Can, Drum, Etc.)
24100 CURING SYSTEMS
24150 DISPERSAL BLADES
24200 DISPERSAL MEDIA
24250 DISPERSERS
24300 DISTILLATION EQUIPMENT
24350 DUST-COLLECTION EQUIPMENT
24400 FILM APPLICATORS
24500 FILMS
24550 FILTER PRESSES
24600 FILTER/PRESSURE VESSELS
24650 FILTERING BAGS/STRAINERS
24700 FILTERING CARTRIDGES
24750 FLEXIBLE SCREW CONVEYORS
24800 FORK LIFTS
24850 GAUGES - PRESSURE
24900 GLOSSMETERS
24950 GLUING MACHINES
25000 GRINDING EQUIPMENT
25050 GRINDING MEDIA
25100 HEAT BOILERS - WASTE
25150 HEAT EXCHANGERS
25200 HEAT-RECOVERY SYSTEMS - WASTE
25250 HEAT-TRANSFER FLUIDS
25300 HOLDING, MIXING TANKS
25350 HOLIDAY DETECTORS (also in Test/Measurement section)

25375 HOSES
25400 HUMIDITY CHAMBERS
25450 IMPELLERS
25500 INFRARED-CURING EQUIPMENT
25550 LEVEL CONTROLS
25600 LEVEL SENSORS
25650 LEVEL SENSORS, ULTRASONIC
25700 LIGHT BOOTH
25750 LIQUID LEVEL INDICATORS
25800 MACHINES
25850 MECHANICAL CONVEYORS
25900 METERING EQUIPMENT - ELECTRONIC

25950 METERS
26000 METERS, pH
26050 MICROPROCESSORS
MILLS:
 26150 Attrition
 26200 Ball
 26225 Basket
 26250 Bead
 26300 Centrifugal Mills
 26350 Colloid
 26400 Horizontal
 26450 Impact
 26500 Jar and Jar Rolling
 26550 Laboratory
 26600 Misc. Mills
 26650 Pebble

26700 Peg
 26750 Roller
 26800 Sand
 26850 Shot
 26900 Small Media
 26950 Vertical
MIXERS:
 27050 Bottom-Entry
 27100 Change-Can
 27150 Cone Screw
 27200 Counter-Rotating
 27250 Direct-Drive Agitators
 27300 Double-Planetary
 27350 Drum
 27400 Dual-Shaft
 27450 High-Shear Batch
 27500 High-Speed
 27550 High-Speed Dispersers
 27600 High-Speed Rotor Stator
 27650 High-Viscosity
 27700 Homogenizers
 27750 Horizontal Paddle-Type
 27800 IBC
 27850 In-Line Mechanical
 27900 In-Line Motionless
 27950 Jacketed Half Pipe or Dimple
 28000 Jet (Powder Dissolving)
 28050 Kneader Extruder
 28075 Laboratory
 28100 Low-Shear
 28150 Misc. Mixers
 28200 Pipe Line
 28250 Reactor
 28300 Rotary Batch
 28350 Rotor Blade
 28400 Side-Entry
 28450 Spiral Blade
 28500 Static
 28550 Top-Entry
 28600 Triple-Shaft
28650 MIXING EQUIPMENT
28700 MIXING EQUIPMENT - AIR POWERED
28750 MIXING/DISPERSION BLADES
OVENS:
 28850 Microwave
 28900 Misc. Ovens
 28950 Thermal
 29000 Vacuum
29050 OXIDIZERS, CATALYTIC
29100 OXIDIZERS, THERMAL
29150 PAINT SHAKERS
29175 PAINT STRIPPERS
29200 PALLET CONVEYOR
29250 PALLET DISPENSERS
29300 PALLETIZERS
29350 PARTICLE CHARACTERIZATION
29400 PASTE MIXERS, HORIZONTAL
29450 PIGGING SYSTEMS
29500 PNEUMATIC CONVEYORS
29550 PORTABLE DISPLAY SYSTEM
POWDER COATING EQUIPMENT:
 29640 Cleaners/Strippers
 29650 Curing Systems
 29700 Extruders
 29750 Filter Belts
 29800 Fluidized Beds
 29850 Mills
 29900 Misc. Powder Equipment
29950 PROPORTIONING SYSTEMS AND COMPONENTS
PUMPS:
 30050 Air-Operated
 30100 Carboy
 30150 Centrifugal
 30200 Diaphragm
 30250 Drum

30300 Hand
 30350 High-Pressure
 30400 Metering
 30450 Misc. Pumps
 30500 Positive-Displacement Rotary
 30550 Proportional
 30600 Pulsation Dampeners
 30650 Reciprocating
 30700 Turbine Rotary
 30750 Vacuum
30800 RAM DISCHARGE
30850 REACTOR & RECOVERY SYSTEMS
30900 REDUCTION EQUIPMENT
30950 REFLECTOMETERS
31000 REGISTERS - ELECTRONIC & MECHANICAL
31025 ROBOTS
31050 ROLLS - SETS
31075 SAFETY EQUIPMENT
31100 SCREENING
31150 SEPARATORS
31200 SEPARATORS - MAGNETIC
31250 SHAKERS
31300 SIEVING EQUIPMENT
31350 SIZE REDUCERS
31400 SOLVENT-RECOVERY EQUIPMENT (also in Environmental section)
31450 SPECIAL DESIGN MACHINERY
31500 SPRAY BOOTH
31550 SPRAYING EQUIPMENT
31575 STATIC CONTROL
31600 STRAINING EQUIPMENT
31650 TEMPERATURE COMPENSATORS
31700 TEMPERATURE EQUIPMENT/CONTROLS
31725 THICKNESS GAUGES (also in Test section)
31750 TUBULAR CONVEYORS
31800 TURN-KEY PROCESSES
31875 USED EQUIPMENT (Buying/Selling)
31900 UV-CURE SYSTEMS
31950 UV LAMPS
32000 VALVES
32050 VISCOMETERS
32100 WASTE COMBUSTION EQUIPMENT

III. TEST/MEASUREMENT INSTRUMENTATION AND SERVICES

32200 ACCELERATED WEATHERING
32250 ADSORPTION EQUIPMENT
32300 AIR MAKEUP/EXHAUST
32350 AIR POLLUTION/EFFLUENT CONTROL
32400 AIR QUALITY MONITORING EQUIPMENT
32450 AIR SAMPLING AND ANALYSIS EQUIPMENT
ANALYZERS:
 32550 Biochemical Oxygen Demand (BOD)
 32600 Chemical Oxygen Demand (COD)
 32650 Elemental (CHN)
 32700 Film Formation
 32750 Headspace
 32800 Kjeldahl Nitrogen
 32850 Misc. Analyzers
 32900 Moisture
 32950 Particle
 33000 Stability
 33050 Suspended Solids
 33100 Total Nitrogen
 33150 Total Organic Carbon (TOC)
BALANCES:

33250 Analytical
 33300 Misc. Balances/Scales
 33350 Moisture
 33400 Top-Loading
33450 BATHS, CONSTANT TEMPERATURE
33500 BUILDING/CLEAN ROOMS
33550 CALORIMETERS, DIFFERENTIAL SCANNING
CENTRIFUGES:
 33650 Misc. Centrifuges
 33700 Table Top
CHROMATOGRAPHY, GC:
 33800 GC/MS Systems
 33850 Pyrolysis
33900 CHROMATOGRAPHY, GEL PERMEATION
33950 CHROMATOGRAPHY, LC
34000 CLEANING EQUIPMENT
34050 CLEANING SUPPLIES, LABORATORY
34100 COATING APPLICATION
34150 COLOR CARDS
34200 COLOR CONTROL SYSTEMS
34250 COLOR MATCHING/MEASURING
CONSULTING:
 34350 Analytical Services
 34400 Misc. Consulting
 34450 Technical Consulting
CONTRACT SERVICES:
 34550 AFM Surface Analysis
 34600 Independent Test Labs
 34650 Misc. Other Contract Services
 34700 Solvent Reclamation
34750 DENSITY CUPS
34800 DESICCATORS
34850 DIFFERENTIAL SCANNING CALORIMETRY (DSC)
34900 DIFFERENTIAL THERMAL ANALYSIS (DTA)
34950 DRYING TIME RECORDERS
35000 DUST COLLECTORS
35050 DYNAMIC MECHANICAL ANALYSIS (DMA)
ELECTRODES:
 35150 Glassy Carbon
 35200 Graphite
 35250 Ion-Selective
 35300 Karl Fischer
 35350 Misc. Electrodes
 35400 pH
35450 ENVIRONMENTAL CONTROLS
35500 ENVIRONMENTAL TEST EQUIPMENT
35550 EXPLOSION PROTECTION SYSTEMS
35600 EXPOSURE TESTING
35650 FILM APPLICATORS
35800 FILTERS
35850 FLAME HOODS
35900 FLAMMABILITY TESTING INSTRUMENTS
36000 FLOW METERS
36050 FUNNELS
FURNACES:
 36150 Misc. Furnaces
 36200 Muffle
 36250 Vacuum
36300 FURNITURE, LABORATORY, BENCHES, TABLES, AND DESKS
GAUGES:
 36400 Fineness of Grind
 36450 Grind
 36500 Misc. Gauges
 36550 Pressure
36650 GENERAL LABORATORY EQUIPMENT
36700 GLOVE BOXES

36750 HAZARDOUS MATERIALS HANDLING EQUIPMENT
36800 HIGH-SPEED MIXERS
36850 HOLIDAY DETECTORS
36900 HOODS, FUME
36950 HOT PLATES
37000 HUMIDITY/CONDENSATION CHAMBERS
37050 ICP
37100 IMAGE ANALYZERS
37200 LAB CARTS
LABWARE:
 37300 Glass
 37350 Misc. Other Labware
 37400 Plastic
37450 LIGHT BOOTHS
37500 MECHANICAL TESTING EQUIPMENT METERS:
 37600 Conductivity
 37650 Contact Angle
 37750 Micro Wave Scan
 37800 Misc. Meters
 37850 Moisture
 37900 pH
 37950 Wave Scan
 38000 Wood Moisture
MICROSCOPES:
 38100 Atomic Force
 38150 Infrared
 38200 Misc. Microscopes
 38250 Optical
 38300 Polarizing
38350 MICROWAVE DIGESTERS
38400 MIXERS/MILLS/GRINDERS
38450 MOLECULAR WEIGHT DETERMINATION
38500 ODOR-CONTROL EQUIPMENT
38550 OUTDOOR-EXPOSURE TEST EQUIPMENT
OVENS-LABORATORY:
 38650 Microwave Ovens
 38700 Misc. Ovens
 38750 Thermal
 38800 Vacuum
38850 PAINT OVERSPRAY RECOVERY/RECYCLING
38900 PARTICLE MEASUREMENT
38950 PARTICLE SIZE CHARACTERIZATION
39000 PH METERS
39050 PSYCHROMETERS
PUMPS:
 39150 Misc. Pumps
 39200 Vacuum
39225 REAGENTS
39250 RESPIRATORS, CHEMICAL CARTRIDGE/FILTER/DISPOSABLE
39300 RHEOMETERS, LIQUID
39350 RHEOMETERS, POWDER
SAFETY EQUIPMENT:
 39435 Anti-Fatigue Floor Mats
 39450 Cans
 39500 Eyeglasses and Goggles
 39550 Eyewash Fountains
 39600 Flammable Materials, Storage Cabinets
 39650 Gloves
 39700 Misc. Safety Equipment
 39750 Protective Clothing
 39800 Spill Cleanup
39850 SAFETY/HEALTH SERVICES
39900 SAMPLE PREPARATION
39950 SEM
40000 SHAKERS, PAINT
40050 SIFTERS
40100 SLUDGE TREATMENT

40150 SLUDGE-HANDLING EQUIPMENT
40200 SOFTWARE, LABORATORY INFORMATION MANAGEMENT SYSTEMS (LIMS)
40250 SOLIDS ANALYZERS
40300 SOLVENT-RECOVERY EQUIPMENT
40350 SPATULA, SS
40400 SPECIFIC GRAVITY CUPS (PYKNOMETER)
SPECTROMETERS:
 40500 AA
 40550 GC/MS
 40600 ICP
 40650 IR, FT-IR
 40700 Mass
 40750 Misc. Spectrometers
 40800 Raman
 40850 UV-VIS
 40900 X-Ray
SPECTROPHOTOMETERS:
 41000 Color-Measuring
 41050 Fluorescence
 41100 Infrared
 41150 Misc. Spectrophotometers
 41200 Ultraviolet
41250 STIRRERS
SURFACE ANALYSIS:
 41350 Atomic Force Microscopy
 41400 Auger Spectroscopy
 41450 Electron Microprobe
 41500 ESCA
 41550 Ion-Scattering Spectrometry
 41600 Misc. Surface Analysis
 41650 Scanning Tunneling Microscopy
 41700 Sims
 41750 Surface Area
41800 TEMPERATURE INSTRUMENTATION
41850 TENSIMETERS
41900 TEST CHARTS
TESTING INSTRUMENTS:
 42000 Abrasion
 42050 Adhesion
 42100 Chromatographic Support
 42150 Chromatographs
 42200 Coefficient of Friction
 42250 Contact Angle
 42300 Cross Hatch Cutter
 42350 Densitometers
 42400 Distinctness of Image Meters
 42450 Flashpoint
 42500 Glossmeters (also in Manufacturing Equipment)
 42550 Hardness
 42600 Hazemeters
 42650 Holiday Detectors
 42700 Hygrometers
 42750 Impact Testers
 42800 Mandrel Bend
 42850 Microbial/Bacteria/Fungi
 42900 Misc. Testing Instruments
 42950 Particle-Size Analyzers
 43000 Pencil Hardness
 43050 Permeability Cups
 43100 pH Meters
 43150 Pinhole Detector
 43200 Reflectometers
 43250 Refractometers
 43300 Specific Gravity
 43350 Surface-Tension
 43400 Taber Abrasion
 43450 Tensile Strength and Elongation
 43500 Viscosity
 43550 Wet Abrasion
43600 THERMOMETERS
43650 TESTING PANELS

43675 THICKNESS GAUGES (also in Manufacturing Equip. section)
43700 TITRATORS
43750 ULTRASONIC CLEANERS
43775 UV-CURING SYSTEMS
43800 UV MEASUREMENT
43850 VISCOMETERS
43900 WATERBATH
43950 WASTE COMBUSTION EQUIPMENT
WASTE DISPOSAL:
 44050 Misc. Waste Disposal
 44100 Recycling
44150 WASTEWATER TREATMENT
44200 WEATHERING CHAMBERS
44250 WEIGHING DISHES
44300 WEIGHT PER GALLON CUPS
44350 WOOD TONGUE DEPRESSORS
44400 X-RAY DIFFRACTION SYSTEMS

IV. ENVIRONMENTAL EQUIPMENT AND SERVICES

44500 ADSORPTION EQUIPMENT
44550 AIR MAKEUP/EXHAUST
44600 AIR POLLUTION/EFFLUENT CONTROL
44650 AIR SCRUBBERS
44700 BUILDING/CLEAN ROOMS
44750 CONSULTING
CONTRACT SERVICES:
 44850 Hazardous Waste Cleanup
 44900 Inspection
 44950 Monitoring
 45000 Permit Assistance
 45050 Solvent Reclamation
 45100 Waste Testing
45150 DUST COLLECTORS
45200 ENGINEERING
45250 ENVIRONMENTAL CONTROLS
45300 ENVIRONMENTAL TEST EQUIPMENT
45350 EXPLOSION PROTECTION SYSTEMS
45400 EXPLOSION RELIEF VENTING
45450 EXPOSURE TESTING
45500 HAZARDOUS MATERIALS HANDLING EQUIPMENT
45525 HAZARDOUS MATERIALS TESTING
45550 INDUSTRIAL VACUUM CLEANERS
45600 ODOR-CONTROL EQUIPMENT
45650 PAINT OVERSPRAY RECOVERY/RECYCLING
45700 SAFETY/HEALTH SERVICES
45750 SLUDGE-HANDLING EQUIPMENT
45800 SLUDGE TREATMENT
45850 SOLVENT-RECOVERY EQUIPMENT (also in Manufacturing Equipment)
45900 VENTILATION
WASTE DISPOSAL:
 46000 Recycled
46050 WASTEWATER TREATMENT

V. COMPUTER SOFTWARE

46150 COLOR MEASURING
46200 FORMULATION
46250 INTERNET COMPANIES
46300 LAB ANALYSIS
46350 MISC.
46450 ONLINE INFORMATION SERVICES
46500 ONLINE MARKETING SERVICES
46550 PRODUCTION
46570 REGULATORY COMPLIANCE
46580 SDS-SAFETY DATA SHEETS

VI. PACKAGING AND MATERIAL HANDLING

46645 BARCODE SCANNERS/PRINTERS

46650 CAN CLIPS

46700 CAN/LABEL ORIENTORS

46750 CAN & PAIL CLOSERS

CONTAINERS/CANS:

46850 Aerosol Packaging
46900 Aluminum/Shipping
46950 Bags, Bulk
47000 Bags, Multiwall
47050 Bags, Polypropylene
47075 Cartridges
47100 Composite (Fiber)
47150 Corrugated
47200 Disposable, Paperboard
47250 Intermediate Bulk
47300 Metal
47350 Misc. Containers/Cans
47400 Plastic
47450 Reconditioned and Repaired
47475 Recyclable
47500 Stainless Steel
47550 Steel
47600 Steel Shipping

47650 DEPALLETIZERS

DISPENSING:

47750 Colorant
47800 Computerized
47825 Equipment
47850 Nozzles

47875 Pneumatic

DRUMS:

47950 Fiber
48000 Interior Linings
48050 Misc. Drums
48100 Plastic
48150 Reconditioned
48200 Removable Liners
48250 Steel

48300 DRUM CONVEYOR

48350 DRUM-HANDLING EQUIPMENT

48400 DRUM POURING EQUIPMENT

FILLING EQUIPMENT:

48500 Feeders
48550 Fillers
48600 Lid-Closing Machines
48650 Lid Openers
48700 Lid Punch Closures
48750 Lid Punch - 5-Gallon Containers
48800 Misc. Filling Equipment

48850 HAZARDOUS MATERIAL CONTAINERS

48950 LABEL MACHINES

49000 LABEL PRINTING

49050 LABELS

49150 PACKAGE SERVICES - CUSTOM

49200 PACKAGING DENESTERS

49250 PAIL CONVEYORS

49275 ROBOTS

49300 SEALING EQUIPMENT

49350 SHRINK WRAP

TANKS:

49450 Cleaning Equipment
49500 Cleaning Services
49550 Fiberglass
49600 Metal
49650 Misc. Tanks
49700 Plastic
49750 Polyurethane
49800 Portable
49850 Process
49900 Shipping
49950 Storage
50000 Thinning/Tinting
50050 Tote

VII. CONSULTING AND SERVICES

CONSULTING:

50200 Analytical Services
50250 Business
50300 Job Search
50350 Process Engineering
50400 Product Development
50450 Technical
50500 PRINTING SERVICES
50525 REGULATORY COMPLIANCE
50550 TESTING SERVICES/ LABORATORIES
50600 TOLL MANUFACTURING
50650 TOUCH-UP PAINT