



## 2008-2009 Buyers Guide & Mini Directories

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

**Instructions:** Please note that product selections below are limited for certain mini directories. Once you have selected the Buyers Guide and Mini Directories you wish to appear in, please select from the following coding to ensure correct product selections.

- Buyers Guide Listing: Select from any and all codes in this booklet
- Additives Handbook Listing: Select from Section 1. A. ADDITIVES – Code numbers 00150-10000
- Lab Directory Listing: Select from Section III. TEST/MEASUREMENT INSTRUMENTATION & SERVICES – Code numbers 32200-44400
- China Buyers Guide: Select from any and all codes in this booklet – please note that your selections will appear under the main category header only (Additives; Manufacturing Equipment; Test/Measurement Instrumentation; etc..)

### I. RAW MATERIALS

#### A. ADDITIVES

00150 **ABRASION RESISTANCE IMPROVERS**  
 00200 **ABSORBENTS**  
 00250 **ACID CATALYSTS**  
 00300 **ACID SCAVENGERS**  
 00350 **ADHESION PROMOTERS**  
 00400 **AMINE NEUTRALIZERS**  
 00450 **ANTI-BLOCKING AGENTS**  
 00500 **ANTI-CRATERING AGENTS**  
 00550 **ANTI-CRAWLING AGENTS**  
 00600 **ANTI-FLOAT AGENTS**  
 00650 **ANTI-FLOODING AGENTS**  
 00700 **ANTI-FOULING AGENTS**  
 00750 **ANTI-FREEZING AGENTS**  
 00800 **ANTI-GELLING AGENTS**  
 00850 **ANTI-LIVERING AGENTS**  
 00900 **ANTI-MARRING AGENTS**  
 00950 **ANTI-RUST AGENTS**  
 01000 **ANTI-SAG AGENTS**  
 01050 **ANTI-SETTLING AGENTS**  
 01100 **ANTI-SILKING AGENTS**  
 01150 **ANTI-SKINNING AGENTS**  
 01200 **ANTI-STATIC AGENTS (Anti-Stats)**  
 01250 **ANTIOXIDANTS**  
**ANTIMICROBIALS:**  
 01350 Algicides  
 01400 Bactericides  
 01450 Biocides  
 01500 Enzyme-Based Additives  
 01550 Fungicides  
 01600 In-Can Preservatives  
 01650 Insecticides  
 01700 Misc. Preservatives  
 01750 Non-Mercurial  
 01800 **BODYING AGENTS**  
 01850 **BRIGHTENERS (Optical)**  
 01900 **BURNISH RESISTANT ADDITIVES**  
 01950 **CATALYSTS**  
 02000 **CAUSTICS & CAUSTIC SODA**  
 02050 **CHELATING AGENTS**  
 02100 **CLEANABILITY ADDITIVES**  
 02150 **COAGULANTS**

02200 **COALESCENTS (Coalescing Agents)**  
 02250 **COLLOID STABILIZERS**  
 02300 **CORROSION INHIBITORS**  
 02350 **CORROSION-INHIBITIVE PIGMENTS**  
 02400 **COUPLING AGENTS**  
 02450 **CRAZE-RESISTANCE ADDITIVES**  
 02500 **CROSSLINKING AGENTS**  
 02550 **CURING AGENTS**  
 02600 **DEAERATORS**  
 02650 **DEFLOCCULANTS**  
**DEFOAMERS:**  
 02750 Misc. Defoamers  
 02800 Non-silicone  
 02850 Silicone  
**DEGASSING AGENTS**  
**DENATURANTS**  
**DESICCANTS**  
**DRIER STABILIZERS**  
**DRIERS:**  
 03150 Drying Salts  
 03200 Linoleates  
 03250 Misc. Driers  
 03300 Naphthenates  
 03350 Neodecanoates  
 03400 Octoates  
 03450 Tallates  
 03500 Water Dispersible  
 03550 Waterborne  
 03600 **DYES (For Use in Stains)**  
 03650 **ELECTROCONDUCTIVE ADDITIVES**  
**EXTENDERS**  
 03700 **FILLERS - NATURAL, CELLULOSIC, POLYMERIC**  
 03800 **FISH EYE PREVENTERS**  
 03850 **FLAME RETARDANTS**  
**FLATTING AGENTS:**  
 03950 Dispersed  
 04000 Misc. Flattening Agents  
 04050 Non-Metallic  
 04100 **FLOCCULANTS**  
 04150 **FLOW & LEVELING AGENTS**  
 04200 **FLUIDIZING ADDITIVES**  
 04250 **FLUORESCENT ADDITIVES**  
 04300 **FOAMING AGENTS**  
 04350 **FREEZE-THAW STABILIZERS**

04400 **GELLING AGENTS**  
 04450 **GLOSS IMPROVERS**  
 04500 **GLYCERINE**  
 04550 **GRINDING AIDS**  
 04600 **HALS (Hindered Amine Light Stabilizers)**  
 04650 **HAMMER FINISH ADDITIVES**  
**HARDENERS**  
 04700 **HASE THICKENERS**  
 04750 **HEAT STABILIZERS**  
 04800 **HEUR THICKENERS**  
 04850 **HOMOGENIZERS**  
 04900 **HUMECTANTS**  
 04950 **HUMECTANTS**  
 05000 **HYDROPHILES**  
 05050 **HYDROPHOBIC AGENTS**  
 05100 **HYGIENIC COATING ADDITIVES**  
 05150 **IMPACT RESISTANCE IMPROVERS**  
 05200 **INK ADDITIVES**  
 05250 **INTUMESCENT ADDITIVES**  
 05300 **LEAFING AGENTS**  
 05320 **LUBRICANTS (Solids)**  
 05340 **LUBRICANTS (Surfaces)**  
 05350 **LUMINESCENT ADDITIVES**  
 05400 **LUSTRANTS**  
 05450 **MASKING AGENTS**  
 05500 **MICROSPHERES**  
 05550 **MISC. OTHER ADDITIVES**  
 05600 **MISC. OTHER CHEMICAL SPECIALTIES**  
 05650 **MISC. POWDER COATING ADDITIVES**  
 05700 **MISC. VISCOSITY & FLOW-CONTROL AGENTS**  
 05750 **MOISTURE SCAVENGERS**  
 05800 **MONOMERS**  
 05850 **NANOTECHNOLOGY ADDITIVES**  
 05900 **ODORANTS**  
 05950 **OILS**  
 06000 **ORANGE PEEL PREVENTERS**  
 06050 **ORGANIC PEROXIDES**  
 06100 **ORGANOCLAYS**  
 06150 **pH CONTROL AGENTS**  
 06200 **PHOTOINITIATORS**  
 06250 **PHOTSENSITIZERS**  
 06300 **PINHOLE PREVENTATIVES**  
**PLASTICIZERS:**  
 06400 Abietates  
 06450 Adipates

06500 Benzoates  
 06550 Castor Oil (Polymerized/Oxidized)  
 06600 Castor Oil (Raw/Refined)  
 06650 Epoxidized  
 06700 Misc. Plasticizers  
 06750 Oil-Modified  
 06800 Phosphates  
 06850 Phthalates  
 06900 Polymeric  
 06950 Sebacates  
 07000 Sulfonamides  
 07050 **POLYMERIC LIQUID CRYSTALS**  
 07100 **PRETREATMENT CHEMICALS**  
 07150 **PRINTING INK DISPERSANTS & VEHICLES**  
 07200 **PRINTING INK VARNISHES & COMPOUNDS**  
 07250 **PROTECTIVE COLLOIDS**  
 07300 **PUFFING AGENTS**  
 07350 **REACTIVE DILUENTS**  
 07400 **RETENTION AIDS**  
 07450 **SEAL COATING ADDITIVES**  
 07475 **SLIP AIDS**  
 07500 **SOIL REPELLANTS**  
 07550 **SPREADING AGENTS**  
**STABILIZERS:**  
 07650 Lead  
 07700 Misc. Stabilizers  
 07750 Non-Metallic  
 07800 **STAIN-RESISTANT ADDITIVES**  
 07850 **STEARATES**  
 08150 **SURFACE MODIFIER**  
 08200 **SURFACE TENSION REDUCER**  
 08250 **SURFACE-ACTIVE AGENTS**  
**SURFACTANTS & 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  
**SUSPENSION AGENTS**  
**SYNERGISTS**  
**TACKIFIERS**  
**TEXTURIZING AGENTS**  
**THICKENING AGENTS & 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 **BITUMEN 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 & Oil Co-Polymers  
 11600 Drying Oil-Modified  
 11650 Misc. Alkyd  
 11700 Non-Drying & Semioxidizing, Oil-Modified  
 11750 Thixotropic  
 11800 Water-Reducible  
 11850 **AMINO RESINS**  
 11900 **BITUMENS**  
 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**  
 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 & MELAMINE-TYPE RESINS**  
 13050 **MISC. RESINS**  
 13100 **NATURAL RESINS**  
 13150 **NITROCELLULOSE**  
 13200 **OLEORESINOUS VARNISHES**  
**PHENOLIC RESINS:**  
 13300 Misc. Phenolic  
 13350 Modified for Powder Coatings  
 13400 Polyamide  
 13450 Solid  
 13500 Solution 915  
 13550 Waterborne  
 13600 **POLYAMIDE RESINS**  
 13650 **POLYBUTENES**  
 13700 **POLYOLS**  
**POLYESTER RESINS:**  
 13800 Misc. Polyester  
 13850 Saturated

13900 Unsaturated  
 13950 Water-Reducible  
 14000 **POLYSACCHARIDE RESINS**  
 14050 **ROSIN ESTERS**  
 14100 **SILICONE RESINS**  
**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 & POLYURETHANE RESINS:**  
 14550 ASTM Type I  
 14600 ASTM Type II  
 14650 ASTM Type IV  
 14700 ASTM Type V  
 14750 Misc. Urethane & Polyurethane  
 14800 Waterborne  
**VINYL RESINS:**  
 14900 Misc. Vinyl  
 14950 Polyvinyl Acetate  
 15000 Polyvinyl Butyral  
 15050 Polyvinyl Chloride & Polyvinylidene Chloride  
 15100 Vinyl Acetate Polymer Emulsions

**D. PIGMENTS, DISPERSIONS**

**BLACK, BROWN, & GRAY PIGMENTS:**  
 15250 Black Iron Oxide  
 15300 Brown and Gray  
 15350 Carbon Black  
 15400 Drop and Bone Blacks  
 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 & 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 & 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  
19000 **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 and Industrial 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 Pyrolle (DPP)  
20650 Lithol Rubine  
20700 Misc. Red and Maroon Toners and Lakes  
20750 Para Red, Chlorinated Paranitriline 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 Tolidine Red  
**WHITE PIGMENTS:**  
21300 Aluminum Phosphate  
21350 Antimony Oxide  
21400 Titanium Dioxide - Anatase  
21450 Titanium Dioxide - Rutile  
21500 Zinc Oxide  
21550 Zinc Sulfide  
**YELLOW AND ORANGE PIGMENTS:**  
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 & Lakes  
22000 Misc. Yellow Pigments  
22050 Molybdate Orange  
22100 Orthonitriline 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)**  
23625 **CLEANERS/SOLVENTS**  
23650 **CLEANING EQUIPMENT (Systems, Tub, Etc.)**  
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**  
24450 **FILM-THICKNESS GAUGES (also in Test section)**  
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)**  
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  
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 Dispensers  
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  
 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 - WASTE VAPOR**  
 29150 **PAINT SHAKERS**  
 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:**  
 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 Carboydrum  
 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**  
 31050 **ROLLS - SETS**  
 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**  
 31600 **STRAINING EQUIPMENT**  
 31650 **TEMPERATURE COMPENSATORS**

31700 **TEMPERATURE EQUIPMENT/CONTROLS**  
 31750 **TUBULAR CONVEYORS**  
 31800 **TURN-KEY PROCESSES**  
 31850 **ULTRASONIC CLEANERS**  
 31900 **UV-CURE SYSTEMS**  
 31950 **UV LAMPS**  
 32000 **VALVES**  
 32050 **VISCOMETERS**  
 32100 **WASTE COMBUSTION EQUIPMENT**

**III. TEST/MEASUREMENT INSTRUMENTATION & 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 BUILDING/CLEAN ROOMS**  
 33500 **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**  
 35700 **FILM THICKNESS GAUGES (also in Manufacturing Equip. Section)**  
**FILTERS**  
 35800 **FLAME HOODS**  
 35850 **FLAMMABILITY TESTING**  
 35900 **FLOW METERS**  
 36000 **FUNNELS**  
 36050 **FURNACES:**  
 36150 Misc. Furnaces  
 36200 Muffle  
 36250 Vacuum  
 36300 **FURNITURE, LABORATORY, BENCHES, TABLES, AND DESKS**  
**GAUGES:**  
 36400 Fineness of Grind  
 36450 Grind  
 36500 Misc. Gages  
 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**  
 37150 **INDUSTRIAL VACUUM CLEANERS**  
 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  
39250 **RESPIRATORS, CHEMICAL CARTRIDGE/FILTER/DISPOSABLE**  
39300 **RHEOMETERS, LIQUID**  
39350 **RHEOMETERS, POWDER**  
**SAFETY EQUIPMENT:**  
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**  
43700 **TITRATORS**  
43750 **ULTRASONIC CLEANERS**  
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**  
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 Equip.)**  
45900 **VENTILATION**  
**WASTE DISPOSAL:**  
46000 Recycled  
46050 **WASTEWATER TREATMENT**

#### V. COMPUTER SOFTWARE

46150 **COLOR MEASURING FORMULATION**  
46200 **INTERNET COMPANIES**  
46300 **LAB ANALYSIS**  
46350 **MISC.**  
46400 **MSD SHEETS**  
46450 **ONLINE INFORMATION SERVICES**  
46500 **ONLINE MARKETING SERVICES**  
46550 **PRODUCTION**

#### VI. PACKAGING AND MATERIAL HANDLING

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  
47100 Composite (Fiber)  
47150 Corrugated  
47200 Disposable, Paperboard  
47250 Intermediate Bulk  
47300 Metal  
47350 Misc. Containers/Cans  
47400 Plastic  
47450 Reconditioned and Repaired  
47500 Stainless Steel  
47550 Steel  
47600 Steel Shipping  
**DEPALLETIZERS**  
**DISPENSING:**  
47750 Colorant  
47800 Computerized  
47850 Nozzles  
**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**  
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**

## 2008-2009 Buyers Guide & Mini Directories

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

Company Name: \_\_\_\_\_ Account Number: \_\_\_\_\_

If you have new product heading suggestions, please list them below and we will consider them for future issues.