

# CERAMIC INDUSTRY

The Exclusive Global Voice of Ceramic  
& Glass Business and Manufacturing

## 2008 MATERIALS HANDBOOK Product Locator Codes

- Record your materials selections using the headings and code numbers below, referring to the enclosed order form on page 2 for additional information.
- If your material is not listed, please contact Susan Sutton, editor-in-chief, at (330) 336-4098; fax (248) 502-2033; email [suttons@bnpmedia.com](mailto:suttons@bnpmedia.com).

00050	ABRASIVES	03150	APLITE	06300	BOROSILICATE
00100	ACCELERATOR	03200	AQUA REGIA	06350	BRAZING
00150	ACETIC ACID	03250	ARAGONITE	06400	BRUCITE
00200	ACID	03300	ARSENIC	06450	CADMIUM ANTIMONIDE
00250	ADHESIVES	03350	ARSENIC OXIDE	06500	CADMIUM CARBONATE
00300	ADSORBANTS	03400	BADDELEYITE	06550	CADMIUM FLUORIDE
00350	AGGREGATE	03450	BARITE	06600	CADMIUM NIOBATE
00400	ALBITE	03500	BARIUM ALUMINATE	06650	CADMIUM ORTHOPHOSPHATE
00450	ALGINATES	03550	BARIUM CARBONATE	06700	CADMIUM OXIDE
00500	ALKALI	03600	BARIUM CERIUM OXIDE	06750	CADMIUM SILICATE
00550	ALKALINE EARTHS	03650	BARIUM CHLORIDE	06800	CADMIUM SULFIDE
00600	ALKOXIDE	03700	BARIUM CHROMATE	06850	CADMIUM TELLURIDE
00650	ALLOYS	03750	BARIUM FERRITE	06900	CADMIUM TUNGSTATE
00700	ALUM	03800	BARIUM FLUORIDE	06950	CADMIUM ZIRCONATE
00750	<b>ALUMINA:</b>	03850	BARIUM HYDROXIDE	07000	CALCINED FIRE CLAY
00800	Activated	03900	BARIUM METAPHOSPHATE	07050	CALCITE
00850	Bodies	03950	BARIUM MOLYBDATE	07100	CALCIUM ALUMINATE
00900	Bubble	04000	BARIUM MONOHYDRATE	07150	CALCIUM ALUMINUM SILICATE
00950	Calcined	04050	BARIUM NITRATE	07200	CALCIUM ANTIMONATE
01000	Chrome	04100	BARIUM OCTAHYDRATE	07250	CALCIUM BORIDE
01050	Colloidal	04150	BARIUM OXIDE	07300	CALCIUM CARBONATE
01100	Fibers, Polycrystalline	04200	BARIUM PEROXIDE	07350	CALCIUM CYANAMIDE
01150	Fused	04250	BARIUM SILICATE	07400	CALCIUM FLUOPHOSPHATE
01200	High-Purity	04300	BARIUM STANNATE	07450	CALCIUM FLUORIDE
01250	Hydrated	04350	BARIUM SULFATE	07500	CALCIUM HEXABORIDE
01300	Platelets	04400	BARIUM SULFIDE	07550	CALCIUM MAGNESIUM SILICATE
01350	Reactive	04450	BARIUM TANTALUM OXYNITRIDE	07600	CALCIUM METABORATE
01400	Single Crystal	04500	BARIUM TITANATE	07650	CALCIUM MOLYBDATE
01450	Tabular	04550	BARIUM TUNGSTATE	07700	CALCIUM NITRATE
01500	Transformation-Toughened	04600	BARIUM ZIRCONATE	07750	CALCIUM ORTHOSILICATE
01550	Trihydrate	04650	BARIUM ZIRCONIUM SILICATE	07800	CALCIUM OXIDE
01600	Zirconia-Toughened	04700	BARYTES	07850	CALCIUM PHOSPHATE
01650	ALUMINUM	04750	BASTNASITE	07900	CALCIUM SILICATE
01700	ALUMINUM ANTIMONIDE	04800	<b>BAUXITE:</b>	07950	CALCIUM STANNATE
01750	ALUMINUM CARBIDE	04850	Calcined	08000	CALCIUM SULFATE
01800	ALUMINUM FLUORIDE	04900	BELITE	08050	CALCIUM TITANATE
01850	ALUMINUM HYDROXIDE	04950	BENTONITE	08100	CALCIUM TUNGSTATE
01900	<b>ALUMINUM NITRIDE:</b>	05000	BERYL	08150	CALCIUM ZIRCONATE
01950	Whiskers	05050	BERYLLIA	08200	CALCIUM ZIRCONIUM SILICATE
02000	Silica Coated	05100	BERYLLIUM ALUMINATE	08250	CALSPAR
02050	ALUMINUM OXIDE	05150	BERYLLIUM CARBIDE	08300	CARBIDE
02100	ALUMINUM PHOSPHATE, MONO BASIC	05200	BERYLLIUM OXIDE	08350	CARBIDES, COMPOSITE
02150	ALUMINUM POTASSIUM BORATE	05250	BICROMATE OF POTASSIUM	08400	CARBOLIC ACID
02200	<b>ALUMINUM SILICATE:</b>	05300	BINDERS	08450	CARBON AND GRAPHITE
02250	Calcined	05350	BISMUTH OXIDE	08500	CARBON BLACK
02300	ALUMINUM SULFATE	05400	BISMUTH SELENIDE	08550	CARBON/CARBON
02350	ALUMINUM TITANATE	05450	BISMUTH STANNATE	08600	CARBONATE
02400	AMBLYGONITE	05500	BISMUTH SUBNITRATE	08650	CASSITERITE
02450	AMMONIA	05550	BISMUTH TELLURIDE	08700	CATALYSTS
02500	AMMONIUM BICARBONATE	05600	BISMUTH TITANATE	08750	CAUSTIC LIME
02550	AMMONIUM BIFLUORIDE	05650	BISMUTH ZIRCONATE	08800	CAUSTIC POTASH
02600	AMMONIUM METAVANDATE	05700	BONDING MATERIALS	08850	CAUSTIC SODA
02650	AMMONIUM PARATUNGSTATE	05750	BONE ASH	08900	CELLSITITE
02700	ANDALUSITE	05800	BORAX	08950	CELLULOSE, MICROCRYSTALLINE
02750	ANDESINE	05850	BORIC ACID	09000	CELLULOSE NITRATE
02800	ANHYDRITE	05900	BORIDES	09050	CELSIAN
02850	ANHYDROUS RASORITE	05950	BORON	09100	<b>CEMENT:</b>
02900	ANORTHITE	06000	<b>BORON CARBIDE:</b>	09150	Calcium Aluminate
02950	ANTIMONY OXIDE	06050	Platelets	09200	Gypsum
03000	<b>ANTIMONY SULFIDE:</b>	06100	Whiskers	09250	High-Temperature
03050	High-Purity	06150	BORON NITRIDE	09300	Portland
03100	APATITE	06200	BORON PHOSPHIDE	09350	Refractory
		06250	BORON TRIBOMIDE	09400	CERIUM FLUORIDE

09450 CERIUM OXIDE  
09500 CERIUM SULFIDE  
09550 CERMETS  
09600 CESIUM  
09650 CHALK  
09700 CHROME ALUMINA  
09750 CHROMITE  
09800 CHROMIUM  
09850 CHROMIUM ALUMINIDE  
09900 CHROMIUM BORIDES  
09950 CHROMIUM CARBIDES  
10000 CHROMIUM NITRIDES  
10050 CHROMIUM OXIDE  
10100 CHROMIUM SILICIDES  
10150 CITRIC ACID  
10200 **CLAY:**  
10250 Ball  
10300 Calcined  
10350 China  
10400 Conditioners  
10450 Enamel  
10500 Engobe  
10550 Fire or Refractory  
10600 Glaze  
10650 Hydrous  
10700 Modeling  
10750 Sagger  
10800 Slip  
10850 Stoneware  
10900 Wad  
10950 CLEANERS  
11000 CLINOCHLORE  
**COATINGS:**  
11100 Ceramic  
11150 Diamond  
11200 High-Heat-Resisting  
11250 Superconductor  
11300 Thermal Spray  
11350 Zirconia  
11400 COBALT ACETATE  
11450 COBALT ALUMINIDE  
11500 COBALT AND COBALT COMPOUNDS  
11550 COBALT CARBONATE  
11600 COBALT CHLORIDE  
11650 COBALT CHROMATE  
11700 COBALT HYDROXIDE  
11750 COBALT NITRATE  
11800 COBALT OXIDE  
11850 COBALT SULFATE  
11900 COBALT SULFIDE  
11950 COLEMANITE  
12000 COLLOIDAL OXIDE  
12050 COLOR SPECKS, SIZED  
12100 COLORANTS  
12150 COPPER  
12200 COPPER CARBONATE  
12250 COPPER OXIDE  
12300 COPPER SULFATE  
12350 COPPER TITANATE  
12400 CORDIERITE  
12450 CORNWALL STONE  
12500 CORUNDUM  
12550 COUPLING AGENTS  
12600 CRISTOBALITE  
12650 CROCUS MARTIS  
12700 CRYOLITE  
12750 CULLET  
12800 CYANIDES  
12850 DECOLORIZER  
12900 DEFLOCCULANT  
12950 DEFOAMERS  
13000 DEHYDROABIETYLAMINE  
13050 DEXTRIN  
**DIAMOND:**  
13150 Coatings, Composite  
13200 Industrial  
13250 Powder Compounds  
13300 DIATOMACEOUS EARTH  
13350 DICHLORODIMETHYSILANE  
13400 DIELECTRIC POWDERS  
13450 DIKETONE  
13500 DIOPSIDE  
13550 DIP COATINGS

13600 DISPERSANT  
13650 DOLOMITE  
13700 DUMORTIERITE  
13750 DYES  
13800 DYSPROSIUM CHLORIDE  
13850 DYSPROSIUM OXIDE  
13900 ELECTROCONDUCTIVE POWDERS  
13950 ELECTROLYTE  
14000 ENCAPSULANTS  
14050 ENGOBE  
14100 ENSTATITE  
14150 EPOXY CEMENTS AND RESINS  
14200 ERBIUM OXIDE  
14250 ETHYL CELLULOSE  
14300 EUCRYPTITE  
14350 EUROPIUM OXIDE  
14400 FELDSPAR  
14450 FERRIC CHLORIDE  
14500 FERRIC OXIDE  
14550 FERRITES  
14600 FERROSPINEL  
14650 FERROUS OXIDE  
14700 FERROUS SULFATE  
14750 FILLERS, CERAMIC  
14800 FILTRATION RATE ADDITIVE  
14850 FIRECLAY  
14900 FLINT  
14950 FLUORBARITE  
15000 FLUORIDES  
15050 FLUORINE  
15100 FLUORSPAR  
15150 FLUX  
15200 FORMALDEHYDE  
15250 FORSTERITE  
15300 FRIT  
15350 FUCHSINE DYE  
15400 FUEL CELL MATERIALS  
15450 FULLERENES  
15500 FUNGICIDES  
15550 GADOLINIUM OXIDE  
15600 GALLIUM  
15650 GALLIUM ANTIMONIDE  
15700 GALLIUM ARSENIDE  
15750 GALLIUM FERRIC OXIDE  
15800 GALLIUM NITRIDE  
15850 GALLIUM OXIDE  
15900 GALLIUM PHOSPHIDE  
15950 GARNET  
16000 GERMANIUM  
16050 GERMANIUM DIOXIDE  
16100 GERMANIUM MONOXIDE  
16150 GERMANIUM NITRIDE  
16200 GERMANIUM OXIDE  
16250 GERSTLEY BORATE  
16300 GERSTLEY BORATE (SUBSTITUTE)  
**GLASS:**  
16400 Powdered  
16450 Ready To Press  
16500 GLASS ENAMEL  
16550 GLASS SAND  
16600 GLASS-BONDED MICA  
16650 GLASS-MICA COMPOSITE  
16700 GLAUBERS SALTS  
**GLAZE:**  
16800 Crystals **NEW**  
16850 Stains  
16900 GLAZES  
16950 GLUCOSE  
17000 GLYCERINE  
17050 GOLD  
17100 GOLD CHLORIDE  
17150 GRAIN, REFRACTORY  
17200 GRAINING OXIDE  
17250 **GRAPHITE:**  
17300 Fibers And Fabrics  
17350 Pyrolytic  
17400 Structural  
17450 Vitreous  
17500 GRIT  
17550 GROG  
17600 GUM ARABIC  
17650 GUM TRAGACANTH  
17700 **GYP SUM:**

17750 Cements  
17800 Glass Batch  
17850 HAFNIUM BORIDE  
17900 HAFNIUM CARBIDE  
17950 HAFNIUM FLUORIDE  
18000 HAFNIUM NITRIDE  
18050 **HAFNIUM OXIDE:**  
18100 High-Purity  
18150 HAFNIUM SILICATE  
18200 HALLOYSITE  
18250 HEAVY SPAR  
18300 HECTORITE  
18350 HEMATITE  
18400 HEXABORON SILICIDE  
18450 HEXAME THYLDISILAZONE  
18500 HOLMIUM OXIDE  
18550 HORNBLEND  
18600 HYDROABIETYL ALCOHOL  
18650 HYDROCHLORIC ACID  
18700 HYDROFLUORIC ACID  
18750 HYDROGEN  
18800 HYDROXYAPATITE  
18850 ICE COLORS  
18900 ILLITE  
18950 ILMENITE  
19000 INDIUM ANTIMONIDE  
19050 INDIUM ARSENIDE  
19100 INDIUM NITRIDE  
19150 INDIUM OXIDE  
19200 INDIUM PHOSPHIDE  
19250 INJECTION MOLDING COMPOUNDS,  
CERAMIC  
19300 **INKS:**  
19350 Inorganic  
19400 Organic  
19450 INTERMETALLIC COMPOUNDS  
19500 IRIIDIUM OXIDE  
19550 IRON  
19600 IRON CHROMATE  
19650 IRON CHROMITE  
19700 **IRON OXIDE:**  
19750 Micaceous  
19800 IRON PHOSPHIDE  
19850 IRON PROPOXIDE  
19900 IRON PYRITES  
19950 IRON SILICATE  
20000 IRON SULFATE  
20050 IRON SULFIDE  
20100 IRRIDIZING COMPOUNDS  
20150 ITO  
20200 **KAOLIN:**  
20250 Calcined  
20300 Florida  
20350 Hydrous  
20400 KTP  
20450 KYANITE  
20500 LABRADORITE  
20550 LAMP BLACK  
20600 LANTHANIDES  
20650 LANTHANUM ALUMINATE  
20700 LANTHANUM BORIDE  
20750 LANTHANUM CARBONATE  
20800 LANTHANUM CHROMATE  
20850 LANTHANUM MOLYBDATE  
20900 LANTHANUM OXIDE  
20950 LANTHANUM STRONTIUM  
MANGANITE  
21000 LANTHANUM SULFIDE  
21050 LANTHANUM TITANATE  
21100 LANTHANUM TRIFLUORIDE  
**LEAD:**  
21200 Monosilicate  
21250 Litharge  
21300 Red  
21350 White  
21400 LEAD ANTIMONATE  
21450 LEAD BISILICATE  
21500 LEAD BORATE  
21550 LEAD CARBONATE  
21600 LEAD CHROMATE  
21650 LEAD METANIOBATE  
21700 LEAD METATANTALATE  
21750 LEAD MOLYBDATE

21800	LEAD OXIDE	25900	METALLIC SOAPS	30050	PETALITE
21850	LEAD SELENIDE	25950	METALLIZING	30100	PHLOGOPITE
21900	<b>LEAD SILICATE:</b>	26000	METHALLYL ACETATE	30150	PHOSPHATES
21950	Hydrous	26050	METHYL CELLULOSE	30200	PHOSPHATE SLAG
22000	LEAD STANNATE	26100	<b>MICA:</b>	30250	PHOSPHIDE
22050	LEAD SULFIDE	26150	Glass-Bonded	30300	PHOSPHORIC ACID
22100	LEAD TELLURIDE	26200	MICROCLINE	30350	PHOSPHORS
22150	LEAD TITANATE	26250	MICROSILICA	30400	PIEZOELECTRIC COMPOSITIONS
22200	LEAD TUNGSTATE	26300	MICROSPHERES, HOLLOW	30450	PIGMENTS
22250	LEAD ZIRCONATE	26350	MINIUM	30500	PLACING SAND
22300	LEAD ZIRCONATE TITANATE	26400	MOLASSES	30550	PLASTER OF PARIS
22350	LECITHIN	26450	MOLOCHITE	30600	PLASTICIZERS
22400	LEPIDOLITE		<b>MOLYBDATE:</b>	30650	PLATINUM
22450	LEUCITE	26550	Ammonium	30700	PMN
22500	LIGNOSULFONATES	26600	Barium	30750	POLYACRYLAMIDE
22550	LIME	26650	Calcium	30800	POLYACRYLONITRILE
22600	LIMESTONE	26700	Lead	30850	POLYESTER RESINS
22650	LITHARGE	26750	Sodium	30900	POLYETHYLENE
22700	LITHIA	26800	MOLYBDENITE	30950	POLYETHYLENE GLYCOLS
22750	LITHIUM	26850	MOLYBDENUM	31000	POLYETHYLENE RESINS
22800	LITHIUM ALUMINATE	26900	MOLYBDENUM ALUMINIDE	31050	POLYOXOMETALATES
22850	LITHIUM BORATE	26950	MOLYBDENUM BORIDES	31100	POLYVINYL ACETATE
22900	LITHIUM BOROSILICATE	27000	MOLYBDENUM CARBIDES	31150	POLYVINYL BUTYRAL
22950	LITHIUM CARBONATE	27050	MOLYBDENUM DISILICIDE	31200	POLYVINYL CHLORIDE
23000	LITHIUM CITRATE	27100	MOLYBDENUM DISULFIDE	31250	PORTLAND CEMENT
23050	LITHIUM COBALTITE	27150	MOLYBDIC ACID	31300	POTASH
23100	LITHIUM FLUORIDE	27200	MOLYBDIC OXIDE	31350	POTASSIUM BICHROMATE
23150	LITHIUM MANGANITE	27250	MONTMORILLONITE	31400	POTASSIUM CARBONATE
23200	LITHIUM METAGERMANATE	27300	MORPHOLINE	31450	POTASSIUM CHLORIDE
23250	LITHIUM METATANTALATE	27350	<b>MULLITE:</b>	31500	POTASSIUM DICHROMATE
23300	LITHIUM NIOBATE	27400	Zirconia	31550	POTASSIUM FLUORIDE
23350	LITHIUM OXIDE	27450	Zirconia Fused	31600	POTASSIUM METATANTALATE
23400	LITHIUM SALTS	27500	MURIATIC ACID	31650	POTASSIUM NIOBATE
23450	LITHIUM SILICATE	27550	NANOMATERIALS	31700	POTASSIUM NITRATE
23500	LITHIUM SULFATE	27600	NEODYMIUM CARBONATE	31750	POTASSIUM NITRIDE
23550	LITHIUM TANTALATE	27650	NEODYMIUM CHLORIDE	31800	POTASSIUM ORTHOPHOSPHATE
23600	LITHIUM TITANATE	27700	NEODYMIUM MOLYBDATE	31850	POTASSIUM PERMANGANATE
23650	LITHIUM ZIRCONATE	27750	NEODYMIUM OXIDE	31900	POTASSIUM SILICATE
23700	LOW-TEMPERATURE COFIRE	27800	NEODYMIUM SULFATE	31950	POTASSIUM SILICOFLUORIDE
	CERAMIC POWDERS	27850	NEODYMIUM TITANATE	32000	POTASSIUM TITANATE, FIBROUS
23750	LSM	27900	NEPHELINE	32050	POWDER BLUE
23800	LUBRICANTS	27950	NEPHELINE SYENITE	32100	POWDERED METALS
23850	LUSTERS	28000	NEUTRALIZERS	32150	POWDERS, AIR PLASMA SPRAY
23900	LUTETIUM OXIDE	28050	NICKEL ACETATE	32200	PRASEODYMIUM OXALATE
23950	MAGNESIA ALUMINA	28100	NICKEL ALUMINATE	32250	PRASEODYMIUM OXIDE
24000	MAGNESIA CHROME	28150	NICKEL ALUMINIDE	32300	PRECURSORS, CERAMIC
24050	<b>MAGNESITE:</b>	28200	NICKEL BORIDES	32350	PREPARED CERAMIC BODY
24100	Dead Burned	28250	NICKEL CARBONATE	32400	PUMICE
24150	MAGNESIUM ALUMINATE	28300	NICKEL NITRATE	32450	PUMICITE
24200	MAGNESIUM ALUMINIUM SILICATE	28350	NICKEL NITRIDE	32500	PYRITE
24250	MAGNESIUM CARBONATE	28400	NICKEL OXIDES	32550	PYROLUSITE
24300	MAGNESIUM CHROMITE	28450	NICKEL STANNATE	32600	PYROLYTIC GRAPHITE
24350	MAGNESIUM DIOXIDE	28500	NICKEL SULFATES	32650	PYROPHYLLITE
24400	MAGNESIUM (DI) TITANATE	28550	NICKEL-BONDED TITANIUM CARBIDE	32700	PZT
24450	MAGNESIUM FERRITE	28600	NIOBIUM BERYLLIDES	32750	QUARTZ
24500	MAGNESIUM FLUORIDE	28650	NIOBIUM BORIDE	32800	QUICKLIME
24550	MAGNESIUM NITRIDE	28700	NIOBIUM CARBIDE	32850	RARE EARTHS
24600	MAGNESIUM OXIDE	28750	NIOBIUM CHLORIDE	32900	REFRACTORY OXIDES
24650	<b>MAGNESIUM PHOSPHATE:</b>	28800	NIOBIUM ETHOXIDE	32950	RESINS
24700	Mono Basic	28850	NIOBIUM HYDRATE	33000	RETARDERS
24750	MAGNESIUM SILICATE	28900	NIOBIUM NITRIDE	33050	RHODIUM SESQUIOXIDE
24800	MAGNESIUM SILICIDE	28950	NIOBIUM OXALATE	33100	ROUGE
24850	MAGNESIUM STEARATE	29000	NIOBIUM OXIDE	33150	RUBIDIUM
24900	MAGNESIUM STANNATE	29050	NIOBIUM PENTOXIDE	33200	RUTILE
24950	MAGNESIUM SULFATE	29100	NIOBIUM SILICIDE	33250	RYOLEX
25000	MAGNESIUM ZIRCONATE	29150	NITER	33300	SAGGERS CLAY
25050	MAGNESIUM-ZIRCONIUM SILICATE	29200	NITRIC ACID	33350	SAL SODA
25100	MAGNETITE	29250	NITRIDES	33400	SALT CAKE
25150	MALACHITE GREEN	29300	NITROGEN	33450	SALTPETER
25200	MANGANESE	29350	NITROPARAFFINS	33500	SAMARIUM OXIDE
25250	MANGANESE ACETATE	29400	OCHRE	33550	SAND
25300	MANGANESE ARSENIDE	29450	OCTYL ALCOHOL	33600	SAWDUST
25350	MANGANESE CHLORIDE	29500	OLIGOCLASE	33650	SCANDIUM CARBIDE
25400	MANGANESE DIOXIDE	29550	OLIVINE	33700	SCANDIUM NITRIDE
25450	MANGANESE OXIDE	29600	OPACIFIERS	33750	<b>SCANDIUM OXIDE:</b>
25500	MANGANESE PYROPHOSPHATE	29650	ORGANOMETALLICS	33800	High-Purity
25550	MANGANESE SESQUIOXIDE	29700	ORGANOSOLS	33850	SCHEELITE
25600	MANGANESE SILICATE	29750	ORTHOCLASE	33900	SEALS
25650	MANGANESE SILICIDE	29800	OXYGEN	33950	SELENIUM
25700	MELAMINE FORMALDEHYDE	29850	PASTES	34000	SEMICONDUCTOR MATERIALS
25750	MERTHIOLATE	29900	PEARL ASH	34050	SENSITIZING COMPOUNDS
25800	METAL POWDERS	29950	PERICLASE	34100	SERICITE
25850	METALLIC SALTS	30000	PEROVSKITES	34150	SIALON

34200 SIDERITE  
34250 SILANE COUPLING AGENT  
34300 **SILICA:**  
34350 Colloidal  
34400 Fumed  
34450 Fused  
34500 High-Purity  
34550 Microcrystalline  
34600 SILICA COATED ALUMINUM NITRIDE  
34650 **SILICA GEL:**  
34700 Amorphous  
34750 SILICATE  
34800 SILICATE OF SODA  
34850 **SILICON:**  
34900 Polycrystalline  
34950 SILICON ALKOXIDE  
35000 **SILICON CARBIDE:**  
35050 Pre-Ceramic Polymers  
35100 Semiconductor Grade  
**SILICON CARBIDE:**  
35200 CVD Precursors  
35250 Fibers  
35300 Forming Polymers  
35350 Platelets  
35400 Whiskers  
35450 SILICON METAL POWDER  
35500 **SILICON NITRIDE:**  
35550 Whiskers  
35600 SILICON OXYCARBIDE PRECURSORS  
35650 SILICON OXYNITRIDE  
35700 SILICON TETRACHLORIDE  
35750 SILICONES  
35800 SILLIMANITE  
35850 SILVER-ANTIMONY TELLURIDE  
35900 SILVER  
35950 SILVER CARBONATE  
36000 SILVER CHLORIDE  
36050 SILVER NITRATE  
36100 SILVER OXIDE  
36150 SIZING AGENTS  
36200 SLAG  
36250 SLIP CLAY  
36300 SLIP STAIN  
36350 SMALT  
36400 SODA  
36450 SODA ASH  
36500 SODIUM ALUMINATE  
36550 SODIUM ANTIMONATE  
36600 SODIUM BENZOATE  
36650 SODIUM BICARBONATE  
36700 SODIUM BICHROMATE  
36750 SODIUM BIFLUORIDE  
36800 SODIUM CARBONATE  
36850 SODIUM CARBOXYMETHYLCELLULOSE  
36900 SODIUM CHLORIDE  
36950 SODIUM CHROMATE  
37000 SODIUM CYANIDE  
37050 SODIUM DIURANATE  
37100 SODIUM FLUORIDE  
37150 SODIUM LITHIUM NIOBATE  
37200 SODIUM METAGERMANATE  
37250 SODIUM METASILICATE  
37300 SODIUM METATANTALATE  
37350 SODIUM NITRATE  
37400 SODIUM NITRITE  
37450 SODIUM OXIDE  
37500 SODIUM PHOSPHATE  
37550 SODIUM POLYACRYLATE  
37600 SODIUM PYROPHOSPHATE, TETRA  
37650 SODIUM SELENITE  
37700 SODIUM SESQUICARBONATE  
37750 SODIUM SILICATE  
37800 SODIUM SILICOFLUORIDE  
37850 SODIUM SULFATE  
37900 SODIUM SULFIDE  
37950 SODIUM SULFINATE  
38000 SODIUM TETRAPHOSPHATE  
38050 SODIUM URANATE  
38100 SODIUM URANYL CARBONATE  
38150 SODIUM ZIRCONIUM PHOSPHATE  
38200 SODIUM ZIRCONIUM SILICATE  
38250 SOL-GEL POWDERS

**SOLDER:**  
38350 Hard  
38400 Soft  
38450 SOLID OXIDE FUEL CELL MATERIALS  
38500 SOLVENTS  
38550 SPINEL  
38600 SPODUMENE  
38650 SQUEEGEE OIL  
38700 STAINS  
38750 STANNATES  
38800 STANNIC CHLORIDE  
38850 STANNIC OXIDE  
38900 STANNOUS CHLORIDE  
38950 STANNOUS OXIDE  
39000 STARCH  
39050 STEARATES  
39100 STEARIC ACID  
39150 STEATITE  
39200 STRONTIUM ALUMINATE  
39250 STRONTIUM CARBIDE  
39300 STRONTIUM CARBONATE  
39350 STRONTIUM FERRITE  
39400 STRONTIUM FLUORIDE  
39450 STRONTIUM HEXABORIDE  
39500 STRONTIUM NITRATE  
39550 STRONTIUM OXIDE  
39600 STRONTIUM SILICATE  
39650 STRONTIUM STANNATE  
39700 STRONTIUM SULFATE  
39750 STRONTIUM TITANATE  
39800 STRONTIUM ZIRCONATE  
39850 SULFIDE  
39900 SULFONATED OILS  
39950 SULFUR  
40000 SULFURIC ACID  
40050 SUPERABRASIVES  
40100 SUPERCONDUCTORS  
40150 SURFACTANTS  
40200 TALC  
40250 TANNIC ACID  
40300 TANTALUM BERYLLIDES  
40350 TANTALUM CARBIDES  
40400 TANTALUM CHLORIDE  
40450 TANTALUM DIBORIDE  
40500 TANTALUM ETHOXIDE  
40550 TANTALUM NITRIDE  
40600 TANTALUM OXIDE  
40650 TANTALUM SILICIDES  
40700 TAPES, CERAMIC **NEW**  
40750 TAR  
40800 TELLURIUM  
40850 TERBIUM OXIDE  
40900 TERRA ALBA  
40950 TERRA SIGILLATTA  
41000 TETRAETHYL ORTHOSILICATE  
41050 TETRASODIUM PYROPHOSPHATE  
41100 THALLIUM CALCIUM BARIUM COPPER OXIDE  
41150 THALLIUM OXIDE  
41200 THERMAL BARRIER MATERIALS  
41250 THERMOPLASTICS  
41300 THICKENER  
41350 THORIUM BORIDE  
41400 THORIUM CARBIDES  
41450 THORIUM NITRIDE  
41500 THORIUM OXIDE  
41550 THORIUM SULFIDES  
41600 THULIUM OXIDE  
41650 TIN OXIDE  
41700 TIN TETRACHLORIDE  
41750 TITANATE CERAMICS  
41800 TITANIUM BORIDE  
41850 TITANIUM CARBIDE  
41900 TITANIUM DIBORIDE  
41950 **TITANIUM DIOXIDE:**  
42000 High-Purity  
42050 Ultrafine  
42100 TITANIUM FLUORIDE  
42150 **TITANIUM NITRIDE:**  
42200 Whiskers  
42250 TITANIUM SILICIDE  
42300 TOPAZ  
42350 TRICALCIUM PHOSPHATE

42400 TRICHLOROETHYLENE  
42450 TUNGSTEN BORIDE  
42500 TUNGSTEN CARBIDES  
42550 TUNGSTEN OXIDE  
42600 TUNGSTEN SILICIDE  
42650 ULEXITE  
42700 UMBER  
42750 UNDERGLAZE COLORS  
42800 URANIUM  
42850 URANIUM CARBIDE  
42900 URANIUM DIOXIDE  
42950 URANIUM NITRIDE  
43000 URANYL SODIUM CARBONATE  
43050 UREA  
43100 VANADIUM BORIDE  
43150 VANADIUM CARBIDE  
43200 VANADIUM NITRIDE  
43250 VANADIUM OXIDE  
43300 VANADIUM PENTOXIDE  
43350 VANADIUM SILICIDES  
43400 VANADIUM TRIOXIDE  
43450 VEGETABLE OILS  
43500 VERMICULITE  
43550 VOLCANIC ASH  
43600 WATER GLASS  
43650 WAXES  
43700 WETTING AGENTS  
43750 WHITING  
43800 WOLLASTONITE  
43850 WONDERSTONE  
43900 Y-TZP  
43950 YBCO  
44000 YTTERBIUM OXIDE  
44050 YTTRIA TETRAGONAL  
44100 YTTRIUM CHLORIDE  
44150 YTTRIUM NITRATE  
44200 YTTRIUM OXIDE  
44250 ZAFFRE  
44300 ZEOLITE  
44350 ZINC ALUMINATE  
44400 ZINC ANTIMONIDE  
44450 ZINC FERRITE  
44500 ZINC MOLYBDATE  
44550 ZINC OXIDE  
44600 ZINC PHOSPHATE  
44650 ZINC SELENIDE  
44700 ZINC SELENITE  
44750 ZINC SILICATE  
44800 ZINC STEARATE  
44850 ZINC SULFATE  
44900 ZINC SULFIDE  
44950 ZINC TELLURIDE  
45000 ZINC TITANATE  
45050 ZINC ZIRCONIUM SILICATE  
45100 ZIRCON  
45150 ZIRCONAL PHOSPHATE  
45200 ZIRCONATES  
**ZIRCONIA:**  
45300 Engineering-Grade  
45350 Partially Stabilized  
45400 Refractory-Grade  
45450 ZIRCONIA HYDROXIDE  
45500 ZIRCONIA MULLITE  
45550 ZIRCONIA MULLITE (FUSED)  
45600 ZIRCONIA POLYCRYSTAL  
45650 ZIRCONIA-ALUMINA  
45700 ZIRCONIUM BERYLLIDES  
45750 ZIRCONIUM CARBIDE  
45800 ZIRCONIUM CARBONATE  
45850 ZIRCONIUM DIBORIDE  
45900 ZIRCONIUM NITRIDE  
45950 ZIRCONIUM OXIDE  
46000 ZIRCONIUM OXYCHLORIDE  
46050 ZIRCONIUM SILICATE  
46100 ZIRCONIUM SILICIDE  
46150 ZIRCONIUM SPINEL  
46200 ZIRCONIUM TUNGSTATE  
46250 ZIRCONYL PHOSPHATE OR ZIRCONIUM PHOSPHATE  
46300 ZTA