

Safety Data Sheet

For BroCom Corporation “Designer Marble Colors”

SECTION 1: PRODUCT AND COMPANY INFORMATION

Manufacturer BroCom Corporation, 2618 Durango Drive, Colorado Springs, CO 80910
(719) 392-5537– 9:00 A.M. to 5:00 P.M. MST www.marblecolors.com
Product Family Pigments
Trade Name Designer Marble Colors
Recommended Uses Pigments for plastic resin compounds
Preparation Date February 17, 2015

Emergency Telephone: (870) 481-6495 (After Regular Business Hours)

SECTION 2: HAZARD IDENTIFICATION

Physical Hazards Not Classified
Health Hazards Not Classified
Environmental Hazards Not Classified
Signal Word Not Applicable
Pictograms Not Applicable

Precautionary Statements
Not Applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Each ingredient has been coded as follows. By referencing the assigned codes, you can easily determine which ingredients are present in any BroCom “Designer Marble Color”. Special “CUSTOM” formulations can be cross referenced using these same codes.

CODE	Component	CAS NUMBER
A	Titanium Dioxide (TiO ₂)	3463-67-7
B	Calcium Carbonate	1317-65-3
C	Iron Oxide Fe ₂ O ₃	1332-37-2
D	Ferrite Material	68187-51-9
E	Iron Oxide Fe ₂ O ₃	1317-61-9
F	Metal Oxide Fe ₂ O ₃ H ₂ O	51274-00-1
G	Ultramarine Blue	57455-37-5
H	Phthalocyanine Blue - C ₃₂ H ₁₆ CuN ₈	147-14-8
I	Carbon Black	1333-86-4
J	Pigment Yellow	138 30125-47-4
K	Red Lake “C”	5160-02-1 15
L	Pigment Scarlet	1325-16-2
M	Lithol Scarlet - C ₁₈ H ₁₃ CIN ₂ O ₆ S.Ca	7023-61-2
N	Phthalocyanine Green - C ₃₂ H ₁₆ CuN ₈	1328-53-6
O	Metallic Soap	557-05-1 15
P	Hydrated Alumina	21645-51-2
Q	Silicon Dioxide	112945-52-5
R	Ester/Salt	000577-11-7
S	Red 48:2	7023-61-2

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"A" SERIES OF STANDARD COLOR FORMULATIONS					
COLOR NUMBER	COLOR NAME	INGREDIENTS	COLOR NUMBER	COLOR NAME	INGREDIENTS
A-101	TAUPE	A,D,E,C,O,B	A-514	ANTIQUE RED	K,L,A,B,O
A-107	PARCHMENT	A,F,C,E,B,O	A-517	INNOCENT BLUSH	A,C,D,E,B,O
A-108	SEQUOIA	C	A-518	PEACH BISQUE	A,D,C,E,B,O
A-112	MEXICAN SAND	A,D,C,E,B,O	A-519	DUSTY ROSE	C,L,A,G,B,O
A-115	PERSIAN BROWN	A,D,C,E,B,O	A-520	RUBY	L,A,G,E,C,B,O
A-116	FAWN BEIGE	A,D,C,E,B,O	A-528	SHELL WHISPER	A,C,G,B,O
A-117	AMERICANA BROWN	D,E,C,B,O	A-599	DESERT BLOOM	A,D,C,E,F,B,O
A-118	SWISS CHOCOLATE	D,E,C,B,O	A-603	EVERGREEN	N,L,E,G,B,O
A-119	EXPRESSO	E,B,C,D,O	A-608	BAYBERRY AVOCADO	A,G,F,B,N,E,O
A-120	DOE SKIN	A,E,F,B,O	A-609	ASPEN GREEN	A,F,E,B,H,O
A-121	ALMOND (E)	A,F,E,D,B,O	A-610	SEA MIST GREEN	A,H,F,E,B,O
A-122	NATURAL	A,F,D,E,B,O	A-633	HONEYDEW WHISPER	A,G,J,B,F,O
A-124	CINNAMON	C,B,O,L	A-638	SEA FOAM GREEN	A,H,F,E,B,O
A-125	SANDLEWOOD	A,D,C,E,B,O	A-640	FRESH GREEN	F,A,H,B,J,O
A-159	HEATHER	A,E,G,C,B,O	A-645	TEAL	G,N,F,B,O
A-200	COLONIAL BLUE	A,G,E,B,O	A-648	VERSAILLES VERDE	H,F,A,E,B,O
A-202	BLUE MIST	A,H,E,C,G,B,O	A-681	DARK TURQUOISE	A,H,E,F,B,O
A-215	REGENCY BLUE	A,H,B,E,O	A-688	GREEN ICE	A,H,F,E,B,O
A-216	DRESDEN BLUE	A,H,E,G,B,O	A-1007	BONE	A,F,E,B,O
A-217	CERULEAN BLUE	A,G,E,H,B,O	A-1014	MUSHROOM	A,D,F,E,B,O
A-218	NAVY	G,A,H,I,B,O	A-1138	ALMOND BEIGE	A,D,E,B,O
A-220	HERON BLUE	A,E,G,H,F,B,O	A-1144	TERRA NUEVA	A,C,D,E,B,O
A-221	NEW ORLEANS BLUE	A,H,G,E,B,O	A-1166	LIGHT MINK	A,C,D,E,B,O
A-222	BLUEBERRY	A,G,L,E,B,O	A-1169	DARK MINK	A,C,D,E,G,B,O
A-224	TWILIGHT BLUE	A,H,G,B,E,F,O	A-1190	ZINFANDEL	A,C,D,E,B,O
A-226	GLACIER BLUE	A,H,G,E,B,O	A-1210	VERMONT BLUE	A,E,G,F,H,B,O
A-306	DESIGNER BLACK	B,I,O	A-1234	NAVY (90)	G,I,H,M,B,O
A-309	STERLING SILVER	A,E,B,O	A-1251	COBALT BLUE	G,B,M,O
A-310	TENDER GRAY	A,E,C,B,D,O	A-1290	FRENCH BLUE	A,H,G,E,C,B,O
A-311	COUNTRY GRAY	A,I,G,B,O	A-1314	ICE GRAY	A,E,G,F,B,O
A-312	THUNDER GRAY	A,E,D,B,O	A-1519	ORCHID	A,M,G,D,E,B,O
A-313	SILVER GRAY	A,F,I,B,O	A-1604	LIGHT TURQUOISE	A,G,D,N,F,E,B,O
A-314	CLASSIC GRAY	A,E,G,B,O	A-1687	DESIGNER DARK EVERGREEN	N,F,E,G,B,O
A-315	PLATINUM	A,I,B,O	A-1688	DESIGNER DARK VERDE	D,H,C,B,O
A-408	ALMOND (K)	A,F,E,B,O	A-1689	DESIGNER DEEP GREEN	N,C,F,I,B,O
A-410	CRÈME	A,F,E,B,D,O	A-1692	AQUAMARINE	A,H,F,E,B,O
A-413	FRENCH VANILLA	A,F,J,B,O	A-2006	BISCUIT	A,D,H,B,O
A-414	GOLD	A,F,E,B,O	A-2050	BONE (93)	A,D,E,B,O
A-415	SAFFRON YELLOW	J,A,D,B,O	A-2059	WHITE HEAT	A,G,B,O
A-417	SPRING YELLOW	A,F,E,B,J,O	A-2142	CANDLELIGHT	A,D,G,C,B,O
A-418	HARVEST GOLD	A,F,J,E,B,O	A-2209	ISLAND SEA	A,G,N,F,E,B,O
A-419	CREAMY YELLOW	A,F,D,J,B,O	A-2230	RHAPSODY BLUE	A,G,E,C,H,B,O
A-421	GOLDEN WHEAT	A,D,J,E,B,F,O	A-2522	MERLOT	M,G,E,B,C,O
A-426	JERSEY CREAM	A,F,B,O	A-2558	PEACH BLOSSOM	A,C,F,E,B,O
A-456	BLONDE	A,F,B,J,O	A-2621	SAGE	A,H,F,E,B,O
A-500	WILD ROSE	A,C,D,E,B,O	A-2646	RAIN FOREST	N,F,E,G,B,O
A-501	ROSE DAWN	A,C,D,B,O	A-3501	MISTY ROSE	A,M,G,F,B,O
A-511	RASPBERRY PUREE	C,A,M,E,B,O	A-4510	LOGENBERRY	A,C,M,G,E,B,O

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"ATH" SERIES OF STANDARD COLOR FORMULATIONS					
COLOR NUMBER	COLOR NAME	INGREDIENTS	COLOR NUMBER	COLOR NAME	INGREDIENTS
ATH-1277	VERMONT BLUE	A,E,G,F,H,P,O	ATH-2629	FRESH GREEN	J,F,A,H,P,O
ATH-1349	ICE GRAY	A,E,G,F,P,O	ATH-2651	HONEYDEW WHISPER	F,A,G,J,P,O
ATH-1350	SILVER GRAY	I,A,F,P,O	ATH-2656	BAYBERRY AVOCADO	A,G,F,N,E,P,O
ATH-1352	COUNTRY GRAY	A,I,G,P,O	ATH-2658	SAGE	A,H,F,E,P,O
ATH-1353	CLASSIC GRAY	A,E,G,P,O	ATH-2660	RAIN FOREST	N,F,E,G,P,O
ATH-1358	DESIGNER BLACK	P,I,O	ATH-2662	ASPEN GREEN	H,A,F,E,P,O
ATH-1361	STERLING SILVER	A,E,P,O	ATH-2664	SEA MIST GREEN	A,H,F,E,P,O
ATH-1365	PLATINUM	A,I,P,O	ATH-2667	DARK TURQUOISE	A,H,E,F,P,O
ATH-1373	THUNDER GRAY	A,E,D,P,O	ATH-2670	TIMBERLINE	N,F,E,C,P,O
ATH-1375	TENDER GRAY	D,A,E,C,P,O	ATH-2674	VERDE	A,H,D,C,P,O
ATH-1422	BLONDE	J,A,F,P,O	ATH-2677	DESIGNER DARK EVERGREEN	N,F,E,G,P,O
ATH-1424	ALMOND (K)	A,F,E,P,O	ATH-3030	SILK	A,C,D,E,F,P,O
ATH-1426	SAFFRON YELLOW	J,A,D,P,O	ATH-3041	WHITE SAND	A,C,D,E,F,P,O
ATH-1435	JERSEY CREAM	A,F,P,O	ATH-3048	BONE "99"	A,D,E,P,O
ATH-1436	CHAMOIS	A,D,E,P,O	ATH-3111	CANDLELIGHT	A,D,G,C,P,O
ATH-1438	CRÈME	D,A,F,E,P,O	ATH-3116	TERRA NUEVA	A,C,D,E,P,O
ATH-1441	FRENCH VANILLA	A,F,J,P,O	ATH-3118	ZINFANDEL	A,C,D,E,P,O
ATH-1443	GOLDEN WHEAT	F,A,D,J,E,P,O	ATH-3140	CINNAMON	L,C,P,O
ATH-1445	HARVEST GOLD	A,F,J,E,P,O	ATH-3143	HEATHER	A,E,G,C,P,O
ATH-1447	CREAMY YELLOW	A,F,D,J,P,O	ATH-3149	TAUPE	A,D,E,C,P,O
ATH-1449	SPRING YELLOW	J,A,F,E,P,O	ATH-3151	PARCHMENT	A,F,C,E,P,O
ATH-1451	GOLD	A,F,E,P,O	ATH-3154	SEQUOIA	C,P,O
ATH-1664	TEAL	G,N,F,P,O	ATH-3156	SWISS CHOCOLATE	D,E,C,P,O
ATH-2036	BONE	A,F,E,P,O	ATH-3158	AMERICANA BROWN	D,E,C,P,O
ATH-2038	BISCUIT	A,D,H,P,O	ATH-3160	PERSIAN BROWN	A,D,C,E,P,O
ATH-2056	MUSHROOM	A,D,F,E,P,O	ATH-3162	EXPRESSO	E,C,D,P,O
ATH-2063	WHITE HEAT	A,G,P,O	ATH-3164	ALMOND (E)	A,F,E,D,P,O
ATH-2068	WARM WHITE	A,F,C,E,P,O	ATH-3167	ALMOND BEIGE	A,D,E,P,O
ATH-2072	EURO WHITE	A,E,G,P,O	ATH-3170	DARK MINK	A,C,D,E,G,P,O
ATH-2094	DESIGNER WHITE	A,P,O	ATH-3173	FAWN BEIGE	A,D,C,E,P,O
ATH-2178	MEXICAN SAND	A,D,C,E,P,O	ATH-3201	CHICORY BLUE	A,G,C,P,O
ATH-2179	SANDLEWOOD	A,D,C,E,P,O	ATH-3205	DAYDREAM	A,H,E,C,G,P,O
ATH-2184	LIGHT MINK	A,C,D,E,P,O	ATH-3246	BLUE BRILLIANCE	A,G,E,C,P,O
ATH-2191	NATURAL	A,F,D,E,P,O	ATH-3531	INNOCENT BLUSH	A,C,D,E,P,O
ATH-2203	NAVY (90)	G,I,H,M,P,O	ATH-3548	ROSE DAWN	A,C,D,P,O
ATH-2205	TWILIGHT BLUE	E,F,A,H,G,P,O	ATH-3560	MERLOT	M,G,E,C,P,O
ATH-2206	REGENCY BLUE	A,H,E,G,P,O	ATH-3561	RUBY	L,A,G,E,C,P,O
ATH-2219	DRESDEN BLUE	A,G,E,H,P,O	ATH-3563	WILD ROSE	A,C,D,E,P,O
ATH-2235	CERULEAN BLUE	A,H,G,E,P,O	ATH-3565	DESERT BLOOM	A,D,C,E,F,P,O
ATH-2237	NEW ORLEANS BLUE	G,A,H,E,P,O	ATH-3567	PEACH BLOSSOM	A,C,F,E,P,O
ATH-2239	BLUEBERRY	E,A,G,L,P,O	ATH-3569	PEACH BISQUE	A,D,C,E,P,O
ATH-2242	COBALT BLUE	G,M,P,O	ATH-3579	SHELL WHISPER	A,C,G,P,O
ATH-2243	ISLAND SEA	A,G,N,F,E,P,O	ATH-3584	ORCHID	A,M,G,D,E,P,O
ATH-2245	RHAPSODY BLUE	A,G,E,C,H,P,O	ATH-3588	ANTIQUÉ RED	K,L,A,P,O
ATH-2247	HERON BLUE	A,E,G,H,F,P,O	ATH-3671	SPRING	A,G,D,N,P,O
ATH-2249	COLONIAL BLUE	A,G,E,P,O	ATH-4144	LINEN	A,D,H,P,O
ATH-2253	BLUE MIST	A,H,E,C,G,P,O	ATH-4164	CAPPUCCINO	A,C,D,E,G,F,M,P,O
ATH-2255	GLACIER BLUE	A,H,G,E,P,O	ATH-4527	RASPBERRY PUREE	D,C,A,M,E,P,O
ATH-2288	SKYLIGHT	A,G,C,P,O	ATH-4530	LOGENBERRY	A,C,M,G,E,P,O
ATH-2415	CAFÉ AU LAIT	A,D,E,P,O	ATH-4532	DUSTY ROSE	C,L,A,G,P,O
ATH-2428	SUNLIGHT	A,F,J,P,O	ATH-5181	SANDBAR	A,F,C,E,C,O,P
ATH-2612	VERSAILLES VERDE	H,F,A,E,P,O	ATH-5617	TEA GREEN	A,H,G,J,F,O,P
ATH-2614	SEA FOAM GREEN	A,H,F,E,P,O	ATH-6165	CLAY	A,C,D,E,O,P
ATH-2616	EVERGREEN	N,F,G,E,P,O	ATH-6166	CASHMERE	A,F,C,E,C,O,P
ATH-2620	LIGHT TURQUOISE	A,G,D,N,F,E,P,O	ATH-6509	RUBY "99"	A,C,M,G,E,C,P,O
ATH-2622	DESIGNER DARK VERDE	D,H,C,P,O	ATH-7584	DESIGNER CRIMSON	K,M,O,P
ATH-2624	DESIGNER DEEP GREEN	N,C,F,I,P,O			

SECTION 4: FIRST AID MEASURES

- Skin Contact** Injury to skin or mucous membranes can occur by direct mechanical action or by rigorous skin cleaning necessary for removal of dust. First aid is not normally required. Wash pigment from skin with soap and water. Remove contaminated clothing. Get medical attention if irritation occurs and persists.
- Eye Contact** Particulates may reduce visibility, cause unpleasant deposits in the eyes, ears, and nose. If eye contamination occurs remove contact lenses if present then flush with water for 15 minutes or until all traces of material are gone. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.
- Inhalation** Breathing pigment dust can cause lung irritation. Avoid breathing dust Remove affected person from source of exposure. Get medical attention if breathing difficulty or discomfort persists.
- Ingestion** if swallowed (and only if victim is CONSCIOUS and NOT having convulsions) do not induce vomiting because of danger of aspiration into lungs. Give a glass of water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, monitor for breathing difficulty. See a physician.

SECTION 5: FIREFIGHTING MEASURES

Basic Firefighting Procedures

Use water spray, dry chemical, foam or CO₂ as applicable for burning materials. Use a water spray to cool fire-exposed containers, structures and to protect personnel. Exposed firefighters should wear MSHA/NIOSH approved self-contained breathing apparatus with full-face mask and full protective equipment. Flush spills away from sources of ignition.

Unusual Fire and Explosion Hazards

Organic pigments are secondary components in only a few of our products, (see ingredients list for codes H, I, J, K, L, M, N, S which are organic pigments). Due to their high strength they are used in fairly small amounts. Organic pigments should be considered combustible in the presence of elevated temperatures (such as open flames) and may pose a fire hazard under certain conditions. Dust explosions may be possible if excessive amounts of organic material become airborne, and an ignition source is present.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Refer to Section 8: Exposure Control and Personal Protection

Emergency Action

For large spills, isolate the release area and keep unnecessary people away. Exercise caution regarding personnel safety and exposure.

Spill/Leak Procedure

Floor and surfaces may be slippery. Dike with sand or other material. Flush area with water provided runoff does not enter drain or sewer; use absorbent material and dispose of properly.

Notification

Any spill or release to navigable water must be reported immediately to the National Response Center (800/424-8802), as required by U.S. federal law.

SECTION 7: HANDLING AND STORAGE

Refer to Section 8: Exposure Control and Personal Protection

Handling

Ground/bond container and receiving equipment. Use explosion-proof electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear proper protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Do not ingest. For intended use only. Use good hygiene practices when handling product, including changing and laundering work clothes after use. Get medical attention if you are exposed and feel unwell. Do not use pressure to empty the container as it may rupture. Containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. Empty containers may contain residue or vapors. Do not cut, grind, drill, weld or reuse containers.

Storage

Do not store near incompatible chemicals. When possible, store in a dry place at moderate temperatures (above freezing) away from heat and flames. This material is to be handled and applied according to label directions. Keep this product and all chemicals away from children and pets. Keep containers closed when not in use. Do not eat, drink, or smoke while using this product.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Component	OSHA/PEL	ACGIH/TLV
Titanium Dioxide (TiO ₂)	15 mg/m ³	10 mg/m ³
Calcium Carbonate	15 mg/m ³	10 mg/m ³
Iron Oxide Fe ₂ O ₃	15 mg/m ³	10 mg/m ³
Ferrite Material	15 mg/m ³	10 mg/m ³
Iron Oxide Fe ₂ O ₃	15 mg/m ³	10 mg/m ³
Metal Oxide Fe ₂ O ₃ H ₂ O	15 mg/m ³	10 mg/m ³
Ultramarine Blue	N/A	10 mg/cu.m.
Phthalocyanine Blue	N/A	10 mg/m ³
Carbon Black	3.5 mg/m ³	3.5 mg/m ³
Pigment Yellow 138	N/A	Not Established
Red Lake "C"	15 mg/m ³	10 mg/m ³
Pigment Scarlet	N/A	10 mg/m ³
Lithol Scarlet C18H13ClN2O6S.Ca	N/A	10 mg/m ³
Phthalocyanine Green C32H16CuN8	Not Established	10 mg/m ³
Metallic Soap	15 mg/m ³ TWA	10 mg/m ³ TWA
Hydrated Alumina	N/A	10 mg/m ³
Silicon Dioxide	15 mg/m ³	3 mg/m ³
Ester/Salt	N/A	10 mg/m ³
Red 48:2	15 mg/m ³	Not Established

Exposure Controls

We recommend appropriate employee protection at all times regardless of pigments used. Good industrial hygienic practice requires that employee exposure be maintained below the recommended TLV (Threshold Limit Value) and the PEL (Permissible Exposure Limit) where applicable.

Engineering Controls

Use appropriate ventilation where possible to reduce employee exposure to pigments.

Eye and Face Protection

Eye protection should be worn when handling pigments. Wear safety glasses; use face shield if splashing is possible.

Skin Protection

Oil and chemical resistant gloves should be used to avoid repeated contact.

Respiratory Protection

Where dust cannot be controlled by ventilation, personal respiratory protection complying with NIOSH/MSHA specification 21C-287 should be used.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Solubility in water: Negligible. Specific gravity: 1.7 to 4.7. Appearance and odor: Finely ground powder with no noticeable odor. All listed products are dry powders. Characteristics such as vapor pressure, vapor density, boiling point, and evaporation rate are not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity Does not react under normal conditions of use.

Chemical Stability Stable under normal conditions of use.

Stability/Incompatibility None known

Conditions to Avoid None known.

Hazardous Reactions/Decomposition Products

Emissions of carbon monoxide (CAS# 630-08-0), Chlorine Gas (CAS# 7782-50-5), hydrochloric acid (CAS# 7647-01-0), and nitrogen oxide are possible at elevated temperatures. It is not expected that these temperatures would be reached during normal use.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure Principle routes of absorption: Inhalation and ingestion.

Acute Effects Minimally toxic. LD₅₀ and LC₅₀ not determined. Excessive contact, inhalation or ingestion may cause irritation or discomfort. Refer to Sections 2 and 4 for recommended actions.

Chronic Effects Any acute symptoms may be aggravated. Refer to Sections 2 and 4 for recommended actions.

Symptoms May include redness, drying, cracking of the skin, gastrointestinal and respiratory discomfort. Refer to Sections 2 and 4 for recommended actions.

Carcinogenicity No components of this product are found to be carcinogens by NTP, IARC or OSHA.

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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Not Determined
Persistence and Biodegradability	Not Determined
Bioaccumulative Potential	Not Determined
Mobility in Soil	Not Determined

SECTION 13: DISPOSAL CONSIDERATION

Dispose of this product in compliance with all applicable federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Transportation Data (49 CFR 172.101):	Not regulated.
TDG:	Not regulated.
IATA:	Not regulated.
IMDG:	Not regulated.

SECTION 15: REGULATORY INFORMATION

Chemical Inventory Lists	TSCA - None and DSL – None or exempt from listing.
SARA Title III, Section 313 (40 CFR 372.65):	None
SARA (311/312) Reportable Hazard Categories	None
California Prop. 65	None

SECTION 16: OTHER INFORMATION

Notice BroCom Corporation believes that the information given herein is accurate. Final determination of suitability of any material is the sole responsibility of the user.

Prepared by BroCom Corporation