

Material Safety Data Sheet

for BroCom Corporation “*Designer Marble Colors*”

SECTION I.

Manufacturer’s Name: BroCom Corporation

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SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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 in SECTION X, using these same codes.

RAW MATERIALS

CODE	IDENTITY	CAS NUMBER	OSHA/PEL	ACGIH/TLV
A	Titanium Dioxide (TiO ₂)	3463-67-7	15mg/m ³	10mg/m ³
B	Calcium Carbonate	1317-65-3	15mg/m ³	10mg/m ³
C	Iron Oxide Fe ₂ O ₃	1332-37-2	15mg/m ³	10mg/m ³
D	Ferrite Material	68187-51-9	15mg/m ³	10mg/m ³
E	Iron Oxide Fe ₂ O ₃	1317-61-9	15mg/m ³	10mg/m ³
F	Metal Oxide Fe ₂ O ₃ H ₂ O	51274-00-1	15mg/m ³	10mg/m ³
G	Ultramarine Blue	57455-37-5	N/A	10 mg/cu.m.
H	Phthalocyanine Blue C ₃₂ H ₁₆ CuN ₈ Phthalocyanine Blue contains less than 11% Copper. Copper has a 1mg/m ³ dusts and mists Cu (ACGIH/TLV).	147-14-8	N/A	10mg/m ³
I	Carbon Black Carbon Black has been reclassified by IARC as a class 2B substance	1333-86-4	3.5mg/m ³	3.5mg/m ³
J	Pigment Yellow 138	30125-47-4	N/A	Not Established
K	Red Lake “C”	5160-02-1	15mg/m ³	10mg/m ³
L	Pigment Scarlet	1325-16-2	N/A	10mg/m ³
M	Lithol Scarlet C ₁₈ H ₁₃ CIN ₂ O ₆ S.Ca	7023-61-2	N/A	10mg/m ³
N	Phthalocyanine Green C ₃₂ H ₁₆ CuN ₈ Phthalocyanine Green contains approximately 6% Copper. Copper has a 1mg/m ³ dusts and mists Cu (ACGIH/TLV).	1328-53-6	Not Established	10mg/m ³
O	Metallic Soap	557-05-1	15mg/m ³ TWA	10mg/m ³ TWA
P	Hydrated Alumina	21645-51-2	N/A	10mg/m ³
Q	Silicon Dioxide	112945-52-5	15mg/m ³	3mg/m ³
R	Ester/Salt	000577-11-7	N/A	10mg/m ³

SECTION III. PHYSICAL DATA 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 IV. FIRE AND EXPLOSION DATA 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. Water spray is recommended as an extinguishing agent. Use self contained breathing apparatus. Dust explosions may be possible if excessive amounts of organic material become airborne, and an ignition source is present.

SECTION V. HEALTH HAZARD DATA Principle routes of absorption: Inhalation and ingestion. Skin and Eye irritation: As nuisance Dust: Relevant symptoms of exposure: Breathing pigment dust can cause lung irritation. Avoid breathing dust. Excessive exposure to airborne pigment dust will result in effects similar to that of any nuisance type dust. That is, particulates may reduce visibility, cause unpleasant deposits in the eyes, ears, and nose. Injury to skin or mucous membranes can occur by direct mechanical action or by rigorous skin cleaning necessary for removal of dust. If eye contamination occurs, flush out with generous amounts of water for at least 15 minutes. If irritation persists, see an ophthalmologist. If swallowed, (and only if victim is CONSCIOUS and NOT having convulsions), dilute with water and immediately induce vomiting. See a physician. Wash pigment from skin with soap and water.

SECTION VI. REACTIVITY Stability: Stable. Hazardous polymerization: Will not occur. Hazardous 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. Incompatibility: None known.

SECTION VII. SPILL OR LEAK Sweep into a closed container for reuse or disposal. Dispose of in accordance with Federal, State, and Local regulations.

SECTION VIII. SPECIAL PROTECTION INFORMATION 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. We suggest that suitable general ventilation be employed where possible to reduce employee exposure to pigments. Where dust cannot be controlled by ventilation, personal respiratory protection complying with NIOSH/MSHA specification 21C-287 should be used. As a matter of good industrial practice, eye protection should be worn when handling pigments.

SECTION IX. SPECIAL PRECAUTIONS Protect containers against physical damage. Store in a dry area away from food and food products. Avoid making dust. Do not inhale dust. Do not ingest. Wash hands, face and neck before eating, drinking, smoking, or applying cosmetics.

SECTION X. "CUSTOM" FORMULATIONS / INGREDIENTS

NUMBER	NAME	INGREDIENTS
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

“A” SERIES OF STANDARD COLOR FORMULATIONS

ORDER NUMBER	COLOR NAME	INGREDIENTS	ORDER NUMBER	COLOR NAME	INGREDIENTS
A-101	TAUPE	A,D,E,C,O,B	A-514	ANTIQUERED	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	ESPRESSO	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

“ATH” SERIES OF STANDARD COLOR FORMULATIONS

ORDER NUMBER	COLOR NAME	INGREDIENTS	ORDER 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			