



FEB 8 2002

MATERIAL SAFETY DATA SHEET EDGMONT METALLIC PIGMENT INC.

DATE PRINTED: January 25, 2002
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SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: All Bronze Powders, nonflammable, including: 871, 872, 873, 874, 875, 876, 2400, 2410, 2415, 2420, 2430, 2440, 2600, 2610, 2620, 2630, 6000, 9000, CC2100, C2110, CC1500, CC1510, CC2120, CC2130, CC2230, CC2300, CC2310, CC2320, CC2330, 640, 996, 997, 998, 850, 849, 331, 332, 333, 10134, CC2500, CC2510, CC2520, CC2530, orchid #2660, Fire #2650, 50056, 50027 All Bronze Powders, flammable, including 1200, 1210, 1700, 1710, 1720, 1800, 1810, 1820, 1300, 1310, 1320, 1400, 1410, 1420, 1500, 1510, 1900, 1910, 1920, 3600, 3610, 3620, 3630, 3800, 3810, 3820, 2200, 2210, 2220, 2230, 2260, 2270, 2300, 2340, 2400, 2410, 2500, 2510, 1600, 1610, 1620, 4400, 4410, 4420, 4900, 4910, 4920, 6300, 6310, 6320, 6400, 6410, 7655, 663, 667, 1375, 1377, 1379, 1475, 1477, 1479, 1495, 1497, CC1500, CC1510, CC1520, CC1900, CC1910, CC1920, CC1930.

CHEMICAL NAME: Brass flaked metal. **PRODUCT DESCRIPTION:** Metallic colored powder. **CAS #:** N/A (mixture)

***All ingredients are listed in EPA's TSCA list of chemical substances.

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(Chemtrec)

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS#	OSHA PEL (TWA)	ACGIH TLV (TWA)	OTHER LIMITS Recommended	PERCENT by weight
HAZARDOUS					
Copper	7440-50-8	1 mg/m ³ (as dust)	1 mg/m ³ (as dust)	N/A	69 - 99
Zinc	7440-66-6	15 mg/m ³ (total dust)	10 mg/m ³ (total dust)	N/A	0 - 30
Aluminum	7429-90-5	15 mg/m ³ (total dust)	10 mg/m ³ (total dust)	5 mg/m ³ OSHA (respirable fraction)	0 - 1
Stearic acid	57-11-4	N/A	N/A	N/A	0 - 4
Silica	7631-86-9	0.8 mg/m ³ (as dust)	No Information	N/A	0 - 4

SECTION 3 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE CONTACT: May cause irritation.

SKIN CONTACT: May cause irritation or dermatitis.

INHALATION: May irritate mucous membranes and pharynx.

INGESTION: May cause vomiting and collapse. Acute poisoning is characterized by hemolysis, jaundice, anuria, hypotension, and convulsions. Chronic ingestion of copper increases the risk of Wilson's disease. May cause copper to accumulate in the liver.

PRIMARY ENTRY ROUTES: Eye, skin, inhalation.

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED: Disorders or diseases of the skin, eye, liver, kidney, respiratory and/or pulmonary system.

CARCINOGENICITY: IARC: No NTP: No OSHA: No

KNOWN CALIFORNIA PROPOSITION 65 CHEMICAL: None.

SECTION 4 FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water for at least 15 minutes. If irritation persists, obtain medical assistance.

SKIN CONTACT: Wash contacted areas with soap and water.

INHALATION: Move to fresh air. If necessary, administer artificial respiration. Obtain medical assistance.

INGESTION: Do not induce vomiting. Get medical attention.

SECTION 5 FIRE FIGHTING MEASURES

FLASHPOINT (°F) & METHOD: N/A

FLAMMABLE LIMITS: LEL: N/A UEL: N/A

GENERAL HAZARD: Metal powder dust in air can be explosive. These products with particle size smaller than 30 µm are classified as flammable, those above 30 µm are not. See the product lists above for specific product designation.

EXTINGUISHING MEDIA: Carbon dioxide, dry powder, foam.

FIRE FIGHTING: Use SCBA. Use water spray to cool containers.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: Oxides of copper and zinc.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Collect for disposal with shovel, dustpan or other convenient means. Avoid forming dust cloud. Put in drum or other container.

SECTION 7 STORAGE AND HANDLING

Store in closed containers. Avoid generation of dust clouds.

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE CONTROLS: Local exhaust ventilation to keep concentrations below exposure limits.

PERSONAL PROTECTION: Impervious gloves and goggles recommended.

OTHER: Wash hands with soap and water before eating, drinking, or smoking. Eyewash fountain.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY: 8.1 – 8.9

DENSITY (Lb./gal): N/A

SOLUBILITY IN WATER, wt. %: Negligible

EVAPORATION RATE (n-Butyl Acetate = 1): N/A

% VOLATILE (by weight): 0

VAPOR PRESSURE, mmHg, at °F: N/A

MELTING POINT, °F: N/D

VAPOR DENSITY (Air = 1): N/A

BOILING POINT, °F: N/A

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION: N/A

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Strong oxidizing agents. Heat, open flames, sparks.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

SECTION 11 TOXICOLOGICAL INFORMATION

No toxicity studies have been conducted on this product(s). Please refer to Section 3 for available information on potential health effects.

SECTION 12 ECOLOGICAL INFORMATION

No ecological testing has been done on this product(s). Please refer to Section 6 for information regarding accidental releases.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state, and federal regulations. Contract with authorized disposal service.

SECTION 14 TRANSPORT INFORMATION

DOT SHIPPING DESCRIPTION (domestic ground shipping):

NONFLAMMABLE PRODUCTS(see list of Product Names)

Shipping name: N/A (not regulated)

Hazard Class: N/A

UN Number: N/A

Packing Group: N/A

Hazard Label: N/A

FLAMMABLE PRODUCTS(see list of Product Names)

Shipping name: Metal Powders, Flammable, n.o.s.

Hazard Class: 4.1 Flammable Solid

UN Number: UN-3089

Packing Group: II

Hazard Label: Flammable Solid 4.1

SECTION 15 REGULATORY INFORMATION

TSCA: All components are listed in the TSCA Inventory.

OSHA: This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard, 29CFR 1910.1200.

KNOWN CALIFORNIA PROPOSITION 65 CHEMICAL: None.

OTHER: This product(s) contains the following SARA Section 313 Reportable Ingredients: copper, zinc, and aluminum.

SECTION 16 OTHER INFORMATION

HAZARD RATING SYSTEMS: This information is for people trained in National Paint & Coatings Association's (NPCA) Hazardous Materials Identification System (HMIS) and the National Fire Protection Association (NFPA 704) Identification of the Fire Hazards of Materials.

	<u>NONFLAMMABLE PRODUCTS</u>		<u>FLAMMABLE PRODUCTS</u>		<u>KEY</u>
	<u>NPCA-HMIS</u>	<u>NFPA 704</u>	<u>NPCA-HMIS</u>	<u>NFPA 704</u>	
HEALTH	1	1	1	1	4 = Severe
FLAMMABILITY	0	0	1	1	3 = Serious
REACTIVITY	0	0	0	0	2 = Moderate
					1 = Slight
					0 = Minimal

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