

27013-4160
-8110

MATERIAL SAFETY DATA SHEET

Product: 812, 814 Composition Gold Leaf; 812B, 812C, 814B Black Variegated Gold Leaf; 812H 814H Blue Variegated Gold Leaf; 812K 814K Red Variegated Gold Leaf

SECTION I -- SUPPLIER INFORMATION

Importer : OLD WORLD ART
 Address : 1953 SOUTH LAKE PLACE
 City, St, Zip : ONTARIO, CA 91761
 Phone : (909)947-4928 (909)947-9945 FAX(909)923-1185
 Date : 1/1/2003

SECTION II -- HAZARDOUS INGREDIENT INFORMATION

Ingredient	% Wt.	PEL-OSHA	TLV ACGIH
COPPER	85%2	1 MG/M ³	1 MG/M ³
ZINC	15%2	NOT ESTABLISHED	5 MG/M ³

SECTION III -- PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor : EXTREMELY THIN COPPER ALLOY SHEET
 Boiling Point : 3,270EF
 Specific Gravity (Water=1) : 8.7
 Vapor Density (Air=1) : HEAVIER THAN AIR
 Evaporation Rate (Butyl Acetate=1) : SLOWER THAN ETHER

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash Point : NOT ESTABLISHED
 Flammable Limits : NOT ESTABLISHED
 Extinguishing Media : DRY CHEMICAL

Special Fire Fighting Procedures: DO NOT USE WATER ON THIS PRODUCT. USE ONLY AN NFPA CLASS-D FIRE EXTINGUISHER CONTAINING DRY CHEMICAL

Unusual Fire & Explosion Hazards: THIS PRODUCT CONTAINS BRASS SHEETS WHICH IS AN ALLOY OF COPPER AND ZINC. SINCE IT CONTAINS ZINC, MAY REACT WITH WATER TO LIBERATE HYDROGEN GAS WHICH WILL SPREAD THE FIRE.

SECTION V -- REACTIVITY DATA

Stability : STABLE
 Conditions to Avoid : AVOID CONTACT WITH MINERAL ACIDS AND STRONG OXIDIZING AGENTS
 Incompatibility : MINERAL ACIDS AND OTHER COPPER/ZINC REACTIVE AGENTS
 Hazardous Polymerization : WILL NOT OCCUR

SECTION VI -- HEALTH HAZARD DATA

Carcinogenicity :NTP-NO IARC-NO OSHA-NO
 *** NOTE *** COPPER/ZINC LEAF IS NOT EASILY INHALED OR INGESTED. WHILE USING THE PRODUCT, SMALL PIECES ARE LOOSENED. HEALTH INFORMATION COULD NOT BE DETERMINED FOR METAL LEAFING. THE FOLLOWING INFORMATION IS FOR COPPER/ZINC ALLOY POWDER, WHICH IS MUCH SMALLER THAN WOULD BE ENCOUNTERED WITH LEAFING.

Chronic Health Hazards :CHRONIC TOXICITY IS CONFINED TO THOSE PERSONS SUFFERING FROM PRE-EXISTING WILSON'S DISEASE

Medical Conditions Generally Aggravated by Exposure :THE FOLLOWING CONDITIONS MAY BE AGGRAVATED BY EXPOSURE TO COPPER OR COPPER/ZINC ALLOY POWDER:

- (A) PERSONS AFFLICTED WITH CHRONIC RESPIRATORY DISEASE AND/OR IMPAIRED PULMONARY FUNCTIONS, ESPECIALLY THOSE WITH OBSTRUCTIVE AIRWAY DISEASES.
- (B) PERSONS AFFLICTED WITH PRE-EXISTING LIVER DISEASE.
- (C) PERSONS AFFLICTED WITH PRE-EXISTING KIDNEY DISEASE.
- (D) PERSONS AFFLICTED WITH PRE-EXISTING SKIN DISORDERS.
- (E) PERSONS AFFLICTED WITH PRE-EXISTING BLOOD DISORDERS.
- (F) PERSONS AFFLICTED WITH PRE-EXISTING WILSON'S DISEASE.

Effects of Over Exposure :COPPER METAL IS SLIGHTLY TOXIC. INHALATION OF COPPER OR COPPER/ZINC ALLOY POWDER MAY CAUSE ACUTE IRRITATION OF THE NOSE AND/OR TRACHEA; MAY PRODUCE ACUTE GASTROENTERIC SYMPTOMS RESULTING IN VOMITING AND/OR INFLAMMATION, AND/OR MAY CAUSE ACUTE METAL FUME FEVER. EXPOSURE OF SKIN TO COPPER OR COPPER ZINC ALLOY POWDER MAY CAUSE ACUTE DERMATITIS. IN THE CASE OF CHRONIC EXPOSURE, THE LIVER, KIDNEYS, AND/OR SPLEEN MAY BE INJURED, AND/OR ANEMIA MAY DEVELOP. CHRONIC TOXICITY IS CONFINED TO THOSE PERSONS SUFFERING FROM PRE-EXISTING WILSON'S DISEASE.

Emergency First Aid Procedures :

Eye Contact:FLUSH IMMEDIATELY WITH ADEQUATE AMOUNTS OF WATER FOR FIFTEEN (15) MINUTES, OCCASIONALLY LIFTING THE EYELIDS. CONSULT A PHYSICIAN, ESPECIALLY IF IRRITATION PERSISTS.

Skin Contact:REMOVE CONTAMINATED CLOTHING; LAUNDRY BEFORE RE-USE. WASH SKIN WITH MILD SOAP AND WATER; APPLY A GOOD QUALITY SKIN CREAM. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN.

Ingestion:DRINK SEVERAL GLASSES OF WATER AND CONSULT A PHYSICIAN. IF LARGE AMOUNTS ARE INGESTED, GET MEDICAL ASSISTANCE IMMEDIATELY.

Inhalation:REMOVE PERSON FROM CONTAMINATED AREA TO FRESH AIR. IF UNCONSCIOUS, KEEP BREATHING PASSAGE OPEN AND HAVE EMERGENCY MEDICAL ASSISTANCE SUMMONED IMMEDIATELY. IF BREATHING IS IRREGULAR OR HAS STOPPED, START RESUSCITATION IMMEDIATELY; ADMINISTER OXYGEN IF AVAILABLE, AND HAVE EMERGENCY MEDICAL ASSISTANCE SUMMONED IMMEDIATELY.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Waste Disposal:OBEY RELEVANT LOCAL, STATE AND FEDERAL LAWS. DO NOT CONTAMINATE ANY LAKES, STREAMS, PONDS, OR UNDERGROUND WATER SUPPLY.

Precautions to be taken in handling and storage:STORE IN A COOL DRY ENVIRONMENT.