

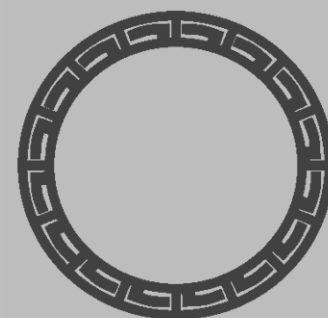
Material Safety Data Sheet

Pale Gold Metallic Pigment

Product Code: PM-000010

Department: metallic dry pigments

C.A.S.: 7440-50-8, 7440-66-6, 7429-90-5, 57-11-4,



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Section: 1 Identification

Product name	bronze powder (rich gold)
material use	pigment
chemical family	Brass Copper Metal Flakes.

Section: 2 Hazard Identification

hazard classification	not assessed
signal word	not assessed
hazard statements	not assessed
precautionary statements	not assessed
other hazards	not assessed



Section: 3 Composition / Information on Ingredients

Hazardous Ingredients	CAS #	Wt. %
Aluminum	7429-90-5	0.3-1
Copper	7440-50-8	65-90
Stearic Acid	57-11-4	N/Av
Zinc	7440-66-6	9-34

Section: 4 First-Aid Measures

skin contact	Wash affected area immediately with large amounts of soap and water if irritation develops or persists, seek medical attention
eye contact	Immediately hold eyelids open and flush with water for at least 15 minutes seek medical attention
inhalation	Move victim to fresh air if breathing has stopped, perform artificial respiration in all cases of doubt, or when symptoms persist, seek medical attention
Ingestion	DO NOT induce vomiting. Seek immediate medical attention.
notes to physician	No additional remark.

Section: 5 Fire-Fighting Measures

extinguishing media	water spray, foam, dry powder or carbon dioxide
hazardous combustion products	not applicable
special fire fighting procedures firefighters	Use water spray to cool containers. Firefighters should wear protective equipment as required.
unusual fire / explosion hazards	Assure all equipment is properly grounded as product may cause static discharge, and designed for controlled energy release. Avoid heat, sparks and open flames. Avoid high dust concentrations.

Section: 6 Accidental Release Measures

Leaks and spills	avoid creating dust do not allow product to enter sewers or waterways vaccum/shovel up and transfer into a drum for reuse or disposal wear protective clothing during cleanup.
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Section: 7 Handling And Storage

Handling procedures	Avoid contact with eyes and skin. Avoid creation of respirable dust. Use under well ventilated conditions. Use spark-proof tools and explosion-proof equipment. Ground electrical equipment. Use good industrial hygiene practices in handling this material.
storage needs	Keep away from heat, sparks and flame. Keep container tightly closed. . Store in a cool, dry, well-ventilated area.

Section: 8 Exposure Control/Personal Protection

ingredients	accgih tlv twa stel	osha pel pel stel	niOSH rel
Aluminum	7429-90-5	Not Indicated	
Copper	7440-50-8	Not Indicated	
Stearic acid	Acid 57-11-4	Not Indicated	
Zinc	7440-66-6	Not Indicated	
ventilation requirements	general ventillation is recommended		
protective equipment			
eye/type	wear saftey glasses with side shields or goggles		
respiratory/type	a niOSH/osha approved dust respirator should be worn determine the appropriate type by consulting the respirator manufacturer		
gloves/ type	wear protective gloves		
clothing/type	no special protective clothing is required		
footwear/type	no special footwear is required		
body/type	no special protective clothing is required		

Section: 9 Physical and Chemical Properties

physical state	Gold. Powder.
odour	not available
odour threshold (ppm)	not determined
ph	not applicable
freezing point (°c)	not applicable
melting point (°c)	not available
boiling point (°c)	not applicable
flash point (°c), method	not applicable
evaporation rate	not applicable
flammability	com I
upper flammable limit (% vol)	not applicable
lower flammable limit (% vol)	not applicable
vapour pressure (mm hg)	not applicable
vapour density (air=1)	not applicable
solubility in water (% w/w)	not available
coefficient of water/oi distribution	not applicable
auto ignition temperature (°c)	not applicable
VOC	0

Section: 10 Stability And Reactivity

hazardous polymerization	will not occur
stability	stable
incompatibility	Strong oxidizing agents.
conditions to avoid	Avoid heat and any source of ignition. Avoid generating dust.
sensitivity to mechanical impact	not sensitive
sensitivity to static discharge	Dust suspended in air in critical proportions and in the presence of an ignition source may cause explosion.
hazardous products of decomposition	Not available.

Section: 11 Toxicological Information

ingredients	Ic50	Id50
Aluminum	Not Indicated	Not Indicated
Copper	Not Indicated	Not Indicated
Stearic acid	Not Indicated	Oral Rat > 2,000 mg/kg
Zinc	Not Indicated	Not Indicated
signal phrase	Flammable Solid.	
route of entry	eye contact skin contact inhalation ingestion	
skin contact	may cause skin irritation avoid skin contact	
eye contact	causes eye irritation avoid eye contact	
inhalation	May cause irritation of nose, throat or respiratory tract. Avoid inhalation.	
ingestion	Do not ingest. Ingestion may cause adverse health effects.	
medical conditions affected by exposure	none known	
signs of over exposure	No additional remark.	
toxicity effects on animals	no additional remark	
toxic effects on humans	May cause eye irritation. May cause irritation to respiratory tract. May cause skin irritation.	
chronic effects on humans	No specific information is available in our database regarding the other chronic toxic effects of this material for humans.	
teratogenicity	no evidence of teratogen effects	
mutagenicity	no evidence of mutagenic effects	
reproductive effects	no evidence of reproductive effects	
carcinogenicity	No evidence of carcinogenic effects according to ACGIH or IARC.	

Section: 12 Ecological Information

ecotoxicity data	not determined
products of degradation	No specific information is available in our database regarding the degradation of this product.
biodegradability	our database contains no additional remark on the biodegradation of this product

Section: 13 Disposal Considerations

waste disposal	dispose in a suitable waste treatment facility in compliance with all federal, provincial and local regulations
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Section: 14 Transport Information

Shipping name	Metal Powder, Flammable, n.o.s.
Technical name	bronze powder
Un Number	un3089
class	class 4.1
Packaging group	pgII

Section: 15 Regulatory Information

cepa status	all the ingredients are on the dsl list
whmis classification	WHMIS Class B4: Flammable Solids.
SGH classification	Class 4.3 Hydroreactives material (Packaging group II)

Section: 16 Other Information

reference	manufacturer's material safety data sheet
prepared by	Kama pigments

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