

# Safety Data Sheet

## Rich Gold Metallic Pigment

Product Code: PM-000015

Department: metallic dry pigments

C.A.S.:



**KAMA**  
PIGMENTS

### Section: 1 Identification

Product name	Bronze powder (Rich gold)
use	Pigment
Chemical family	Brass Copper Metal Flakes

### Section: 2 Hazard Identification

#### HGS Label Elements



## Signal Word

Danger

## GHS Classification

Flammable solids -Cat.1  
Combustible dust -Cat.1  
Acute toxicity (Oral) -Cat.4  
Eye irritation -Cat.2A

## Hazard Statements

H228 Flammable solid. May form combustible dust concentrations in air.  
H302 Harmful if swallowed.  
H319 Causes serious eye irritation.

## Precautionary Statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P240 - Ground and bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P264 - Wash skin thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.  
  
P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists: Get medical advice/ attention.  
P370 + P378 - In case of fire: Use for extinction: Special powder for metal fires.  
P370 + P378 - In case of fire: Use for extinction: Dry sand.  
  
P501 - Dispose of contents/ container

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## Section: 3 Composition / Information on Ingredients

Hazardous Ingredients	CAS #	Wt. %
Copper	7440-50-8	70-90
Stearic Acid	57-11-4	1-5

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## Section: 4 First-Aid Measures

General advice	Take the victim into fresh air. Do not leave the victim unattended. Move out of dangerous area. Show this material safety data sheet to the doctor in attendance.
If inhaled	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	Wash off immediately with soap and plenty of water. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	Harmful if swallowed. Causes serious eye irritation.

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## Section: 5 Fire-Fighting Measures

Suitable extinguishing media	Special powder against metal fire Dry sand ABC powder
Unsuitable extinguishing media	Water High volume water jet
Specific hazards during fire fighting	Do not allow run-off from fire fighting to enter drains or water courses.
Further information	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.
Special protective equipment for fire-fighters	Wear self-contained breathing apparatus for firefighting if necessary.

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## Section: 6 Accidental Release Measures

Leaks and spills	Avoid creating dust do not allow product to enter sewers or waterways vacuum/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.

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## Section: 8 Exposure Control/Personal Protection

ingredients	ACGIH twa stel	osha pel pel stel	niosh rel
Copper (CAS : 7440-50-8)	0.2 mg/m <sup>3</sup> (Fumes)	Not Indicated	
Octadecanoic acid (CAS : 57-11-4)	1 mg/m <sup>3</sup> (Dust and mists)	Not Indicated	
	10 mg/m <sup>3</sup>	Not Indicated	
ventilation requirements	general ventilation is recommended		
protective equipment			
eye/type	wear safety 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		

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## 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	No data available
evaporation rate	No data available
flammability	The substance or mixture is a flammable solid with the category 1. combustible dust
upper flammable limit (% vol)	No data available
lower flammable limit (% vol)	No data available
vapour pressure (mm hg)	not applicable
vapour density (air=1)	not applicable
solubility in water (% w/w)	not available
coefficient of water/oi distributionl	not applicable
auto ignition temperature (°c)	not applicable
VOC	0
Density	7.0 g/cm <sup>3</sup>

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## Section: 10 Stability And Reactivity

hazardous polymerization	will not occur
stability	stable
incompatibility	Strong oxidizing agents.
conditions to avoid 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.

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## Section: 11 Toxicological Information

Ingredients	LC50	LD50
Copper	Not Indicated	Not Indicated
Stearic acid	Not Indicated	Oral Rat > 2,000 mg/kg
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.	

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## Section: 12 Ecological Information

Ecotoxicology Assessment	
Acute aquatic toxicity	Very toxic to aquatic life.
Chronic aquatic toxicity	Very toxic to aquatic life with long lasting effects.
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
Copper:	
Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

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## 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	UN 3089
class	class 4.1
Packaging group	pgII
Labels	Flammable Solid
Packing instruction	
Cargo aircraft	448
Passenger aircraft	445

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## Section: 15 Regulatory Information

NPRI Ingredients	Copper Zinc Aluminum
The ingredients of this product are reported in the following inventories:	
DSL	All components of this product are on the Canadian DSL
TSCA	On TSCA Inventory
Canadian lists	
No substances are subject to a Significant New Activity Notification.	

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## Section: 16 Other Information

Reference	Manufacturer's material safety data sheet.
Prepared by	Kama pigment.s

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