

# Metal Powders USA



## Safety Data Sheet

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Product name  
**Brass Powder**

### 1. IDENTIFICATION OF THE SUBSTANCE and MANUFACTURER

**PRODUCT:** Brass Powder -325 Mesh

MetalPowdersUSA, INC  
11010 Harbor Hill Dr NW  
Suite #B208  
Gig Harbor, WA 98332 USA

### 2. HAZARD IDENTIFICATION

The classification is based on the criteria in the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

4.1/1- Very toxic to aquatic life

**Prevention:** Avoid release to the environment  
Collect spillage

Dispose of contents/container in accordance with local/regional/international regulations

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Ingredient:	CAS No.
Brass 70-95%	7440-50-8	Zinc 5-30%	7440-66-6

### 4. FIRST AID MEASURES

INHALATION	Remove to fresh air. Lay patient down. Cover with blanket.
INGESTION	Give 200-300 mL water to drink. <b>DO NOT</b> induce vomiting.
SKIN CONTACT	For skin exposure, remove contaminated clothing and wash with soap and water.
EYE CONTACT	If irritated, flush eyes and skin with large volumes of fresh water for 15 minutes
MEDICAL NOTES	If any adverse symptoms persist seek immediate medical attention.

### 5. FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** CO2, ABC extinguisher, or water spray.

**SPECIAL FIRE FIGHTING PROCEDURES:** Material is non-flammable. Use firefighting measures appropriate to surrounding materials.

**PERSONAL PROTECTIVE EQUIPMENT:** Wear self-contained breathing apparatus

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## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Spilled material may produce dust hazard if not handled correctly. Wear appropriate personal protective equipment: coveralls, gloves & eye protection.

**METHODS FOR CLEAN UP:** Contain spillages and clean up with vacuum or conventional tool and attempt to minimize dusting. Place in a suitable container for recycling or disposal in accordance to local and national waste regulations.

**METHOD OF DISPOSAL:** Place in a suitable container for recycling or disposal in accordance with local, state, and/or federal regulations.

## 7. HANDLING AND STORAGE

Handling: Only use in a well-ventillated area and prevent the creation of dusts. If concentrations exceeds the occupational exposure limits, use suitable respiratory protection.

Storage: Store in a cool, dry well-ventililated place. Keep away from food, drink, and animal feeding stuffs.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards: 8-hour TWA  
1. Copper powder as dust and mist  
OSHA PEL 1mg/m3 AND ACGHI TLV 1mg/m3  
2. Zinc powder as dusts  
OSHA PEL 10mg/m3 8-hour TWA and ACGIH-TVL 10mg/m3 8-hour TWA  
3. Nickel as dust  
OSHA PEL 1.0mg/m3 and ACGIH TLV 1.0mg/m3

Occupational Exposure Controls Ventilation: All personal protective equipment, including respiratory equipment, used to control exposure to hazardous substances must be selected to meet the requirements of national personal protective equipment regulations. To keep below the USA OSHA and EU exposure limits, use general dilution type ventilation.

Personal Protection Respiratory Protection: Cartridge type particulate filter respirator or dust-mask conforming to USA NIOSH. Refer to Respiratory Protective Devices approved by NIOSH under 42 CFR 84 and the appropriate European standard.

Hand Protection: Wear if skin contact is probable and skin is sensitive.

Eye Protection: Safety glasses or goggles.

Skin Protection: Long sleeve shirt(s) if contact is probable and skin is sensitive

Environmental Protection: Do not allow to enter drains or watercourses.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance      Yellowish to Tan Color      Odor      None

	<b>Copper</b>	<b>Zinc</b>	<b>Nickel</b>
<b>Boiling Point:</b>	2567* C	1665*C	2730*C
<b>Melting Point:</b>	1083*C	419*C	1455*C
<b>Specific Gravity:</b>	8.94	7.14	8.90
<b>Vapor Pressure:</b>	NA	NA	NA
<b>Vapor Density:</b>	NA	NA	NA
<b>Evaporation Rate:</b>	NA	NA	NA
<b>Solubility in Water:</b>	Insoluable	Insoluable	Insoluable
<b>Volatile by Volume %:</b>	0	0	0
<b>Molecular Weight:</b>	63.54	65.37	58.7

## 10. STABILITY AND REACTIVITY

STABILITY: Stable

Conditions and materials to avoid:

Temperatures above 100\* C while in the presence of moist air.

HAZARDOUS DECOMPOSITION PRODUCTS:

Metal fumes will be released if heated above the elements melting point.

HAZARDOUS POLYMERIZATION:

Will Not Occur.

## 11. TOXICOLOGICAL INFORMATION

### SIGNS, SYMPTOMS AND EFFECT OF OVER EXPOSURE:

EYES:            Redness, tearing, itching, burning and conjunctivitis  
INGESTION      Irritation and burning sensation of mouth and throat, nausea, abdominal pain with possible diarrhea.  
INHALATION    Irritation of the mucous membranes, coughing, weezing, shortness of breath. Prolonged exposure may cause metallic taste.

### ACUTE HEALTH EFFECTS:

This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.

## 12. ECOLOGICAL INFORMATION

Toxic to fish and other aquatic organisms.  
Prevent from entering drains, sewers, and surface water.

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## 13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with applicable local, state and federal regulations (contact local, state, or federal environmental agency for specific rules). Do not dump into sewers, on the ground, or into any body of water.

## 14. TRANSPORTATION INFORMATION

US DOT

Not Regulated. Class 9 materials do not require placarding for USA ground transport (49CFR 172.504 (f) (9)). Exceptions, except when all or part of the transportation is by vessel, their requirements specific to marine pollutants do not apply to non-bulk packaging's transported by motor vehicle, rail car, or aircraft (49 CFR 171.401(c)).

## 15. HAZARDOUS MATERIAL IDENTIFICATION SYSTEM / REGULATORY INFORMATION

US EPA EPCRA Section 313 SARA Title III Reportable Product  
TSCA Inventory Status (40 CFR 710) All formulation components are listed in the TSCA Inventory.

California Proposition 65: This product contains no chemicals which the State of California has found to cause Cancer, birth defects of other reproductive harm

## 16. OTHER INFORMATION

Keep out of reach of children. Read and follow all label instructions. This information is based on our present knowledge however, this not a guarantee of specific product features. It is the user's responsibility to satisfy themselves as to the suitability and completeness of this information for their own particular use.

This Safety Data Sheet has been established in accordance with Directive nr 1907/2006/EC.  
Classification references: Directive 67/548/EEC and Directive 99/45/EEC.

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