

## Material Safety Data Sheet

IDENTITY (as Used on Label and List)  
**Hadar's Clay™ Metal Clay Powder – White Bronze**

### Section I

Manufacturer's Name <b>Hadar Jacobson DBA Textures</b>	Emergency Telephone Number <b>(510) 528 4193</b>
Address (Number, Street, City, State and ZIP Code)  <b>918 Ventura Avenue Berkeley, CA 94707-2123</b>	Telephone Number for Information: <b>(510) 528 4193</b>  Date Prepared: <b>03/15/2009</b>

### Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	% (optional)
Copper (CAS 7440-50-8)	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup> (dust) 0.1 mg/m <sup>3</sup> (fume)	50-90%
Tin (CAS 7440-31-5)	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	5-30%
Zinc (CAS 7440-66-6)	10 mg/m <sup>3</sup> (TWA), for zinc oxide fume	5 mg/m <sup>3</sup> (TWA), 10 mg/m <sup>3</sup> (STEL) for zinc oxide fume	0-5%
Proprietary Binder	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	1-30%

### Section III—Physical/Chemical Characteristics

Boiling Point	Unknown	Specific Gravity (H <sub>2</sub> O = 1)	Unknown
Vapor Pressure (mm Hg)	Unknown	Melting Point	Unknown
Vapor Density (AIR = 1)	Unknown	Evaporation Rate (Butyl Acetate = 1)	Unknown

Solubility in Water: Copper and tin are insoluble; Proprietary Binder solubility is limited by viscosity.

Appearance and Odor: Odorless, chocolate-brown powder.

### Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	LEL Unknown	UEL Unknown
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Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide or clean extinguishing agents may be used on fires involving this product.

Special Fire Fighting Procedures: Use self-contained breathing apparatus and full protective clothing for fires in enclosed areas.

Hazardous Combustion Products: Combustion products include: carbon monoxide, carbon dioxide and smoke.

Unusual Fire and Explosion Hazards: Static charges generated by emptying package in or near flammable vapors may cause flash fire. May form flammable dust-air mixtures.

### Section V—Reactivity Data

Stability: Stable.	Conditions to Avoid: None known.
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Incompatibility (*Materials to Avoid*): Strong alkalis, chlorates, bromates, mineral acids

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Hazardous Decomposition or Byproducts: Decomposition may yield hydrogen and noxious copper compounds.

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Hazardous Polymerization: Not anticipated under normal or recommended handling and storage conditions.

Conditions to Avoid: None known.

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**Section VI—Health Hazard Data**

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Target Organs: Respiratory system, nasal septum, skin, eyes, gastrointestinal, kidneys, liver, cardiovascular system.

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Primary entry routes: Inhalation, ingestion, skin or eye contact.

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**Health Effects**

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Copper dusts and mists are eye and mucous membrane irritants, primary skin irritants and skin sensitizers. Acute exposure may cause metallic taste and nasal ulceration and perforation. Prolonged skin contact may produce sensitization dermatitis. Exposure may result in irritation and metal-fume fever, metallic taste and discoloration of the skin and hair. May cause eye irritation by mechanical abrasion. May cause skin irritation by mechanical abrasion. Inhalation of dust may cause respiratory tract irritation. Ingestion of copper compounds may cause vomiting and collapse. Acute poisoning is characterized by hemolysis, jaundice, anuria, hypotension, and convulsions.

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Inorganic tin compounds are eye, mucous membrane and primary skin irritants. Acute exposure may irritate the eyes and respiratory tract. Repeated or prolonged skin contact produces dermatitis.

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**Emergency and First Aid Procedures**

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Eye: Contact lenses should not be worn. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get medical attention if irritation persists.

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Skin: Wash with soap and water. Get medical attention if irritation develops or persists.

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Inhalation: Move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the affected person warm and at rest. Get medical attention as soon as possible.

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Ingestion: Emergency treatment – dilute with water or milk. Remove by gastric lavage (i.e., stomach tube) unless patient is vomiting. Get medical attention as soon as possible. Never give anything by mouth to an unconscious person.

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**Section VII—Precautions for Safe Handling and Use**

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Steps to Be Taken in Case Material Is Released or Spilled: Sweep gently to avoid dust cloud formation. If product is not contaminated, scoop into clean containers for use. If product is contaminated, scoop into containers and dispose appropriately. Avoid wetting spills, as surfaces subject to spills may become slippery. Apply absorbent to wet spills and sweep up gently for disposal.

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Handling and Storage: Store in a cool, dry, well-ventilated area at approximately 68°F (20°C). Keep container closed when not in use.

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Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations.

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Other Precautions: Avoid conditions that generate dust; product may form flammable dust-air mixtures. Avoid emptying package in or near flammable vapors; static charges may cause flash fire. Keep away from heat, flame, sparks and other ignition sources.

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**Section VII—Control Measures**

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Personal Protective Equipment:

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- Goggles: Safety goggles with side shields, if needed.
  - Gloves: Required for those with extreme sensitivity.
  - Respirator: Wear supplied air respirator under confined or enclosed spaces, if needed.
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Workplace considerations: Eye-wash fountain, soap and water wash station .

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Ventilation: Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible limits.

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**Supplier Notification:** This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

CAS Number	Chemical name	Percent by Weight
7440-50-8	Copper	35-89.1%

**Disclaimer of Liability:**

The information provided is based on data furnished to us by our suppliers or determined by in our facilities at the time that this product was formulated. Although believed to be reliable, the information and products are intended for use by skilled persons at their own risk. Users should make their own determinations as to the suitability of the product for their particular use or purpose. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS IMPLIED REGARDING THE ACCURACY OF COMPLETENESS OF THIS INFORMATION. Seller assumes no responsibility for events resulting or damages incurred from the use of this product and any obligations between seller and buyer are to be controlled by the terms and conditions contained in seller's acknowledgement forms.