# Fast Fire Bronze Clay®

Material Safety Data Sheet

## Section I

<table>
<thead>
<tr>
<th>Manufacturer’s name:</th>
<th>Emergency Telephone Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Adventures Inc.</td>
<td>910-620-8751</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Address:</th>
<th>Telephone Number for Information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>202 Laurel Drive Wilmington, NC 28401</td>
<td>910-620-8751</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Prepared:</th>
<th>Signature of Preparer:</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 2, 2010</td>
<td>/William G. Struve/</td>
</tr>
</tbody>
</table>

## Section II—Hazardous Ingredients/Identity Information

**Hazardous Components (Specific Chemical Identity, Common Name(s))**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>OSHA PEL</th>
<th>ACGIH LV</th>
<th>Wt. % (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper (CAS 7440-50-8)</td>
<td>1 mg/m³</td>
<td>1 mg/m³</td>
<td>65-85%</td>
</tr>
<tr>
<td>Tin (CAS 7440-50-8)</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
<td>5-15%</td>
</tr>
</tbody>
</table>

**Non-hazardous, proprietary components**

<table>
<thead>
<tr>
<th></th>
<th>N/A</th>
<th>N/A</th>
<th>Remainder</th>
</tr>
</thead>
</table>

The non-hazardous components are all generally recognized as safe (GRAS) for addition to food and pharmaceuticals by the US FDA.

## Section III—Physical/Chemical Characteristics

- **Boiling Point**: Unknown
- **Specific Gravity (H₂O = 1)**: 4
- **Melting Point**: Unknown, <0°C
- **Evaporation Rate (Butyl Acetate = 1)**: Unknown
- **Solubility in Water**: Hazardous components are insoluble, non-hazardous components are soluble in water.
- **Appearance and Odor**: Chocolate brown colored material with clay consistency and with no odor

## Section IV—Fire and Explosion Hazard Data

- **Flash Point (Method Used)**: Non-flammable
- **Flammable Limits**: LEL, UEL
- **Extinguishing Media**: None
- **Special Fire Fighting Procedures**: None
- **Unusual Fire and Explosion Hazards**: None

## Section V—Reactivity Data

- **Stability**: Stable
- **Conditions to Avoid**: X
  - **Incompatibility (Materials to Avoid)**: Acids, bases, oxidizers, azides, ethylene oxide, acetylene, and ammonium nitrate.
  - **Hazardous Decomposition or Byproducts**: Metal fumes may be produced in a burning building.
Hazardous Polymerization May Occur | Conditions to Avoid
Will Not Occur | X | None known

Section VI—Health Hazard Data

Route(s) of Entry

<table>
<thead>
<tr>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>None when kept moist.</td>
<td>Possible.</td>
<td>Possible.</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic)

Generally not hazardous in normal handling, however good laboratory procedures should always be used. Avoid long term exposure to skin. Avoid drying product to minimize dust formation.

Acute:
Copper component: LD$_{50}$ intraperitoneal mouse 3.5 mg/Kg
Tin component: Non-toxic (LD$_{50}$ > 2 g/Kg)

Chronic:
Ingredients are not considered as “probable” or “suspected” carcinogens by OSHA, IARC, or ACGIH. Dermatitis may result from chronic exposure. Chronic exposure may aggravate those with pre-existing liver or kidney disease.

Emergency and First Aid Procedures

SKIN: Wash exposed area with soap and water. If irritation persists seek medical attention.
EYES: Wash with plenty of water for at least 15 minutes, lifting lids occasionally. Seek medical attention.
INJESTION: Give 2-3 glasses of water or milk. Vomiting may occur spontaneously, but it is not necessary to induce. Never give liquids to an unconscious person. Seek medical attention.

Section VII—Precautions for Safe Handling and Use

Clean area with soap and water. Minimize the generation of dust.

Waste Disposal Method
Neither copper nor tin is listed as hazardous waste, or under SARA reporting requirements. Copper is listed in the CERCLA Community Right-to-know list and has a reportable quantity of 5,000 pounds. Follow local and state disposal regulations which may be more restrictive than federal regulations.

Precautions to Be Taken in Handling and Storing

Wear protective gloves when handling large quantities. Wash hands with soap and water before eating or drinking to avoid contamination of food and drink with the copper powder component.

Other Precautions

Some individuals may develop sensitivity to one or more components of this product and should wear nitrile, latex, or similar gloves when handling even small quantities of this material.

Section VII—Control Measures

Respiratory Protection (Specify Type)

None necessary with the moist product.

Ventilation | Local Exhaust | N/A | Special | N/A
| Mechanical (General) | N/A | Other | N/A

Protective Gloves
Nitrile, latex or similar.

Eye Protection
None required for normal handling.

Other Protective Clothing or Equipment
None known to be required.

Work/Hygienic Practices
Keep areas clean by using moist paper towels and soap when necessary. Wash hands before eating or drinking to avoid ingestion of the copper powder component.

Section VIII—Other Information

The information herein is believed to be correct and is offered in good faith to the user for consideration and investigation. No warranty, expressed or implied is made regarding the completeness or accuracy of this information. User assumes all risks and liability of any use, processing or handling of this material. Safe uses of this material remain the sole discretion of the user.