



# LIQUID METAL FX

*Bronze Powder SDS* Issue date 11/24/20. Revision date 02/03/23

## SAFETY DATA SHEET

### Section 1: Identification

**Product Name:** Bronze -325 Mesh

**Company:** Cadoro Plaster Inc. #311 15252 32 Ave. Surrey, British Columbia, Canada V3Z 0R7

*For information about this SDS, use this department contact phone#: 1-888-610-3018*



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## Section 2: Hazard(s) Identification

**Hazard Classification:** The classification is based on the criteria in the UN Globally Harmonized System of Labeling of Chemicals.

**Hazard Statements:** May cause respiratory irritation - May cause serious eye irritation

**Pictograms:**



**Precautionary Statements:** Use only outdoors or in well ventilated area - Avoid breathing dust - Wear protective gloves/clothing/eye and face protection - Wash hands thoroughly after handling

## Section 3: Composition/ Information on Ingredients

<b>Chemical Name</b>	<b>Percentage</b>	<b>CAS#</b>	<b>EC number</b>
Copper	90%	7440-50-8	231-159-6
Tin	10%	7440-31-5	231-141-8



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## *Section 4: First-Aid Measures*

**After skin contact:** Remove contaminated clothing and wash with soap and water.

**After eye contact:** If irritated, flush eyes and skin with large volumes of fresh water for 15 minutes.

**After inhalation:** Remove to fresh air. Lay patient down. Cover with blanket.

**After swallowing:** Give 200-300 mL water to drink. **DO NOT** induce vomiting.

**Medical Notes:** If any adverse symptoms persist seek immediate medical attention.

## *Section 5: Fire-Fighting Measures*

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, 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

## *Section 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.

**Measures for environmental protection:** 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.



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**Measures for cleaning/collecting:** Place in a suitable container for recycling or disposal in accordance with local, state, and/or federal regulations.

## *Section 7: Handling and Storage*

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

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

## *Section 8: Exposure Controls/Personal Protection*

Occupational Exposure Standards:

8-hour TWA

1. Copper powder as dust and mist OSHA PEL 1mg/m<sup>3</sup> AND ACGIH TLV 1mg/m<sup>3</sup>
2. Zinc powder as dusts OSHA PEL 10mg/m<sup>3</sup> 8-hour TWA and ACGIH-TVL 10mg/m<sup>3</sup>
3. Nickel as dust OSHA PEL 1.0mg/m<sup>3</sup> and ACGIH TLV 1.0mg/m<sup>3</sup>

**General protective and hygienic measures:** 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



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equipment regulations. To keep below the USA OSHA and EU exposure limits, use general dilution type ventilation.

**Breathing equipment:** 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.

**Protection of hands:** 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.

## Section 9: Physical and Chemical Properties

	<i>Copper</i>	<i>Tin</i>
<b>Form:</b> Powder Yellow/Tan in color		
<b>Odor:</b> none		
<b>Odor threshold:</b> NA		
<b>pH:</b> NA		
<b>Melting point/melting range:</b>	1083°C	232°C
<b>Boiling point/boiling range:</b>	2567* C	2207°C



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**Flash point:** NA

**Evaporation rate:** NA

**Flammability:** NA

	<b>Copper</b>	<b>Tin</b>
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**Upper/lower flammability or explosive limits:** NA

**Auto ignition temperature:** NA

**Danger of explosion:** No

**Vapor pressure:** NA

**Vapor density:** NA

<b>Relative density:</b>	63.54.	118.7
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**Solubility in/Miscibility with water:** Insoluble

## **Section 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.



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**HAZARDOUS POLYMERIZATION:** Will Not Occur.

## *Section 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, wheezing, 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.



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## *Section 12: Ecological Information (non-mandatory)*

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

## *Section 13: Disposal Considerations (non-mandatory)*

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.

## *Section 14: Transport Information (non-mandatory)*

US DOT  
DOT regulations: Hazardous Class: None

Not a hazardous material for transportation.

Land transport ADR/RID (cross border) Hazardous Class: None

Maritime transport: IMDG

Marine Pollutant: No





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## *Section 15: Regulatory Information (non-mandatory)*

US EPA EPCRA Section 313 Reportable Product - (contains copper)

US EPA Reportable Quantity: 5,000 lbs (2,270 kg)

All components of this product are on the TSCA inventory requirements under 40 CFR720.30

## *Section 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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