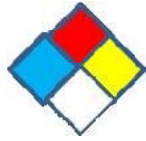


**SAFETY DATA SHEET
BRONZE POWDER 325**

Date: 4/22/2015
Version: 1.0



NFPA: H= 1/F= 1/R= 0/S = NA

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PPE	E

SECTION 1- CHEMICAL PRODUCT AND COMPANY

MSDS Name: BRONZE Powder

Company Identification: EnvironMolds, LLC
18 Bank Street / Suite 1
Summit, NJ 07901
Tel: 908-273-5600

**For Chemical Emergency (Spill, Leak, Fire Exposure or Accident), Call 1-866-278-6653
(Mon-Sat. *:00AM-7:00PM EST)
Outside of the USA, Call 001-908-273-5600**

SECTION 2- COMPOSITION. INFORMATION ON INGREDIENTS

Chemical Name:	Weight %	CAS#	EINECS #
Copper	80-89	7440-50-8	231-159-6
Tin	10-20	7440-31-5	231-141-8
Phosphorus	<1	7723-14-0	231-768-7

SECTION 3-HAZARD(S) IDENTIFICATION

Hazard Symbols:



Xi

Risk Phrases: 36/37/38

General Information

Irritating to eyes, respiratory system and skin.

Potential Health Effects

Eye: Causes eye irritation

Skin: Causes skin irritation. May be harmful if absorbed through the skin

**SAFETY DATA SHEET
BRONZE POWDER 325**

Date: 4/22/2015
Version: 1.0

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.
Chronic: See Section 11

SECTION 4-FIRST AID MEASURES

Inhalation: Remove from exposure.
Skin contact: Wash affected skin with soap and water. Consult a physician.
Eye contact: Flush eyes with water at least 15 minutes. Consult a physician
Ingestion: Consult a physician immediately.

SECTION 5-FIREFIGHTING MEASURES

Flash Point: NA
Ignition Temperature: Cloud= 630°C Layer: 430°C Minimum Explosive Concentration: NA
General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. May burn if involved in a prolonged fire. Weakly flammable solid. Will not burn under ordinary temperatures and pressures.
Extinguishing Media: Class D extinguisher, dry sand or other inert extinguishing material.
Special fire fighting procedures: Gently cover the burning mass with sand or inert material and allow to cool.
Unusual fire & explosion hazards: May be flammable and explosive when in the dust cloud, depending on the concentration of the powder in a given area and the particle size of the powder. Copper powder with a particle size range of less than 74 microns is classified as weakly explosive by the U.S. Bureau of Mines, Report RI-6516. When present as a dust cloud will not explode readily in air and is not easily ignited by sparks.

SECTION 6-ACCIDENTAL RELEASE MEASURES

Spill & leak procedures: Wear protective clothing, goggles and a NIOSH approved respirator. Sprinkle moderately with damp sand and collect for disposal, avoiding dust clouds as much as possible.
Waste disposal method: Put in a closed container for disposal. (Disposer must comply with Federal, state or local waste disposal laws)
Handling and storage methods: Store in a cool, dry place, avoiding contact with heat and acids. Avoid creating dust clouds.

SECTION 7-HANDLING & STORAGE

Handling and storage methods: Store in a cool, dry place, avoiding contact with heat and acids. Avoid creating dust clouds.

SECTION 8-EXPOSURE, CONROLS & PROTECTION

Ventilation requirements: Local exhaust, minimum face velocity of 60 f.p.m.
Respiratory protection: (Use NIOSH/MSHA approved respirators) Use supplied air respiratory protection in confined or enclosed spaces if needed.
Protective clothing: Use chemical resistant gloves and apron to avoid prolonged or repeated skin contact.
Additional protective measures: Goggles. Wash after use and before eating/drinking

**SAFETY DATA SHEET
BRONZE POWDER 325**

Date: 4/22/2015
Version: 1.0

Exposure

Limits: Copper:

United Kingdom,
WEL - TWA: 0.2 mg/m3 TWA (fume); 1 mg/m3 TWA (dust and mist) United Kingdom, WEL -
STEL: 0.6 mg/m3 STEL (fume); 2 mg/m3 STEL (dust and mist)

United States OSHA: 0.1 mg/m3 TWA (fume); 1 mg/m3 TWA (dusts and mists)

Belgium - TWA: 0.2 mg/m3 VLE (fume); 1 mg/m3 VLE (dust and mist)

France - VME: 0.2 mg/m3 VME (fume); 1 mg/m3 VME (dust, as Cu) France - VLE: 2 mg/m3 VLE
(dust, as Cu)

Germany: 1 mg/m3 TWA (inhalable fraction); 0.1 mg/m3 TWA (respirable fraction, smoke)

Malaysia: 0.2 mg/m3 TWA (fume, as Cu); 1 mg/m3 TWA (dust and mist, as Cu)

Netherlands: 0.2 mg/m3 MAC (smoke); 1 mg/m3 MAC (dust)

Russia: 0.5 mg/m3 TWA (aerosol)

Spain: 0.2 mg/m3 VLA-ED (fume); 1 mg/m3 VLA-ED (dust and mist, as Cu)

USA:	COPPER	TIN	PHOSPHORUS
OSHA PEL, mg/m ³	1.0 (dusts)/0.1 (fumes)	2.0	0.1
NIOSH PEL, mg/m ³	1.0/0.1 (as fumes)	2.0	0.1
ACGIH PEL, mg/m ³	1.0/0.1 (as fumes)	2.0	0.1

SECTION 9-PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL PROPERTIES:	COPPER	TIN	PHOSPHORUS
Color/Odor:	Red to reddish-brown	Silvery	Reddish
pH:	NA	NA	NA
Vapor Pressure (Pa @ °C)	0.0505 @ 1085°C	2620 KPa @ 2260°C	100 @256°C
Viscosity:	NA	NA	NA
BP (°C @ 760 mm Hg):	2580	2260	277
Freezing/Melting Point, °C :	1083	950-1025	44
Solubility in Water:	NA	NA	NA
Specific Gravity, g/cc:	8.92	7.31	1.82
MW Formula/MW:	Cu/63.54	Sn/118.69	P/30.97

**SAFETY DATA SHEET
BRONZE POWDER 325**

Date: 4/22/2015
Version: 1.0

SECTION 10-STABILITY & REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Incompatibilities with Other Materials: Strong oxidizing agents, strong acids, bromates, chlorates, iodates.
Hazardous Polymerization: Will not occur

SECTION 11-TOXICOLOGICAL INFORMATION

RTECS: CAS# 7440-50-8: GL5325000, GL7440000, GL7590000
LD50/LC50: RTECS- Not available
Carcinogenicity: Copper- Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65
Other: The toxicological properties have not been fully investigated.

SECTION 12-ECOLOGICAL INFORMATION

Marine Environment: Copper powder is considered a **marine pollutant**. Do not empty into surface water and drains.

SECTION 13-DISPOSAL CONSIDERATIONS

Disposal: Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14-TRANSPORTATION INFORMATION

	DOT	IATA	IMDG	RID/ADR- 4 -
ShippingName:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Hazard Class:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
UN Number:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Packing Group:	Not Regulated	Not Regulated	Not Regulated	Not Regulated

SECTION 15-REGULATORY INFORMATION

European/International Regulations:
 European Labeling in Accordance with EC Directives
 Hazard Symbols: Xi
 Risk Phrases: R 36/37/38 Irritating to eyes, respiratory system and skin
 Safety Phrases: S7 Keep container tightly closed.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S33 Take precautionary measures against static discharges.
 S37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection): CAS# 7440-50-8: 0
 Canada DSL: CAS# 7440-50-8: Listed on Canada's DSL
 WHIMIS Classification : D2A, D2B
 Mexican Dangerous Statement: This product is dangerous, according Mexican Regulations

**SAFETY DATA SHEET
BRONZE POWDER 325****Date:** 4/22/2015
Version: 1.0

TSCA:	CAS# 7440-50-8	Listed on TSCA Inventory
TSCA Section 4(a)	Not regulated	
TSCA Section 5(a)(2)	(SNURS, 40 CFR721 Subpart E))	Not regulated
TSCA Section 5(e)	Not regulated	
TSCA Section 12(b)	(40 CFR 707, Subpart D)	Not regulated
CERCLA (40 CFR 302.4):	Copper, RQ= 5,000 lbs.	
	Tin, RQ= NA	
SARA Title III (40 CFR370)	Not regulated	
SARA Title III Section 313	Reporting Threshold for manufacturing & processing/otherwise used	
	Copper= 25,000 lbs./10,000 lbs.	

SECTION 16-OTHER INFORMATION**MSDS CREATION DATE:** April 22, 2015

The information provided in this SDS is believed to be accurate and represents the best information currently available to us. However, EnvironMolds LLC, makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has advised of the possibility of such damages.