

**1. Identification**

Product Identifier: **Lead Coated Copper Flashing**

Manufacturer:

Hohmann & Barnard, Inc.  
30 Rasons Court  
Hauppauge, NY 11788  
(631) 234-0600  
www.h-b.com

Telephone Numbers

During normal business hours call: (800) 645-0616  
24-hour emergency call Chemtrec: (800) 255-3924

**2. Hazards Identification**

HAZARDS OVERVIEW:

There are no chemical hazards from these sheets in solid form.

Machining, grinding, flame cutting, or welding of the flashing will put contaminants, primarily copper and lead, in the air.

Fumes and dusts from the flashing irritate the nose and throat. If too much fume is inhaled, it will cause a sweet or metallic taste in the mouth. High Concentrations of the fumes can also cause metal fume fever, which resembles the flu.

Breathing or swallowing lead dust or fume from the casting can result in lead poisoning. The effects are fatigue, headache, loss of appetite, aching bones and muscular weakness. Overexposure for a long time can cause kidney damage, nervous system damage, reproductive effects, and anemia.

Because of this potential hazard from metal dust and fumes, grinding, welding operations, etc., should be done under local exhaust ventilation. If ventilation is not adequate, wear a NIOSH approved dust and fume respirator. In addition, good hygiene practices should be followed. Smoking should not be allowed in lead handling areas. Wash hands thoroughly before eating. Keep work area clean.

CARCINOGEN CLASSIFICATION

Ingredient	OSHA	NTP	IARC	TARGET ORGAN
Lead	N	N	2B	Lung, stomach, kidney

Y - Listed as a human carcinogen; N - Not listed as a human carcinogen.

Code for IARC (International Agency for Research on Cancer) evidence for human carcinogenicity:

1 = positive; 2A = probable; 2B = possible; 3 = not classified; 4 = probably negative.

Elements having a listed percentage greater than zero will be present in all grades. Those having a value of "0" may not be present in certain grades.

\*This constituent, a toxic chemical, makes this product subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. Quantity and threshold amounts are 25,000 pounds for manufacturing, importing or processing and 10,000 pounds for otherwise using the listed chemical. Chemicals marked \*\* are reportable only if in the form of dust or fume.

**3. Composition/Information on Ingredients**

Ingredient Name (Common Name)	CAS Number	Percent by Weight
Copper	7440-50-8	99.9
Lead	7439-92-1	15 lbs. max. per 100 ft. of copper surface

**4. First-Aid Measures**

Skin: Flush thoroughly with water.

Eyes: Flush with water, call Physician.

Ingestion: call Physician.

Inhalation: remove victim to fresh air, call Physician.

Copper Fume, dusts and mists are listed to OSHA as air contaminants.

**5. Fire-fighting measures**

National Fire Protection Association (NFPA) - Hazard Identification: Health-0 Flammability-1 Reactivity-0

Flammable or Explosive Limits: N/A

Extinguishing Media and Fire Fighting Procedures: Foam, Carbon dioxide, dry chemical or water. Do not direct water on substance. Water and foam may cause frothing.

Decomposition Products Under Fire Conditions: Carbon monoxide and dioxide, oxides of nitrogen and sulphur and hydrocarbon. Hydrogen sulfide gas (H<sub>2</sub>S) may be generated (see section 2 of this MSDS for more H<sub>2</sub>S information) when and if the product is heated above 450° F or if the product incurs fire conditions.

“Empty” Container Warning: N/A

**6. Accidental release measures**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Dust or Fume – wear respirator follow OSHA use instructions, shovel up, or vacuum and place in approved DOT container and seal. Wash contaminated clothing.

**7. Handling and storage**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Preclude from exposure to fume and dust those fumes.  
Do not eat or smoke while handling.  
Avoid breathing dust or fumes. Do not take internally.

**8. Exposure controls/personal protection**

Ventilation (Local Exhaust): Dust/fume – if exposure levels exceeded.  
Respiratory Protection: dust or fume – NIOSH/MSHA approved  
Protective Gloves: Use chemical-resistant gloves, if needed.  
Eye Protection: (dust) goggles.  
Personal Hygiene: Cleanse skin thoroughly after contact, before breaks and meals, and at the end of work period.

CHEMICAL NAME (Common Name)	CAS Number	EXPOSURE LIMITS	
		OSHA (PEL)	ACGIH (TLV)
Copper Dust	7440-50-8	TWA = 1 mg/m <sup>3</sup>	TWA = 1 mg/m <sup>3</sup>
Copper Fume	7440-50-8	TWA = 0.1 mg/m <sup>3</sup>	TWA = 0.2 mg/m <sup>3</sup>
Lead	7439-92-1	TWA = 50 mg/m <sup>3</sup>	TWA = 0.15 mg/m <sup>3</sup>

\* Amounts of fume and dust depend upon method of handling and heating.

**9. Physical and chemical properties**

Physical State: Solid	Appearance: Reddish Yellow
Odor: Odorless	Odor Threshold: Not applicable
pH: Not applicable	Evaporation Rate: Not applicable
MELTING: Copper 1949° F, lead 621°F	Vapor Pressure (mm Hg.): Not Applicable
Solubility in Water: Negligible	Specific Gravity (H <sub>2</sub> O = 1) Copper 8.9 lead 11.0
Flash Point (Method Used) Not applicable*	

**10. Stability and reactivity**

STABILITY: Stable  
HAZARDOUS DECOMPOSITION: Copper Fume/dust, Lead Fume/dust.  
HAZARDOUS POLYMERIZATION: Will not occur.  
Incompatibility (Material to Avoid): (Dust & Fume) acetylene, chlorine.

**11. Toxicological information**

ACUTE EFFECTS: If material comes in contact with the eyes, it may cause irritation. If material comes in contact with skin, it may cause irritation. If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.  
EFFECT OF OVERDOSE: Lead-general: Pallor, weakness, loss of weight, fatigue, malnutrition.  
Copper Fume and Dust: Sneezing, congestion, nausea, metallic tastes, chills, fever. Lead is a toxic and hazardous substance regulated by 29 C.F.R. Sect. 1910, 1025.  
Additional toxicological information: Carcinogenic.

**12. Ecological Information**

ECOTOXICITY: No data available for this product

PERSISTENCE/DEGRADABILITY: No data available for this product

BIOACCUMULATION POTENTIAL: No data available for this product

MOBILITY IN SOIL: No data available for this product

OTHER ADVERSE EFFECTS (GHG, OZONE): No data available for this product.

### 13. Disposal Considerations

DISPOSAL INSTRUCTIONS: Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Follow federal, state and local regulations for disposal.

### 14. Transport information

In Accordance with DOT: Not regulated for transport

In Accordance with IMDG: Not regulated for transport

In Accordance with IATA: Not regulated for transport

In Accordance with TDG: Not regulated for transport

### 15. Regulatory Information

#### US Federal Regulations

Copper (7440-50-8):

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on United States SARA Section 313

SARA Section 313 - Emission Reporting 1.0 %

Lead (7439-92-1):

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on United States SARA Section 313

SARA Section 313 - Emission Reporting 0.1 %

#### US State Regulations

Lead (7439-92-1):

U.S. - California - Proposition 65 - Carcinogens List

WARNING: This product contains chemicals known to the State of California to cause cancer.

U.S. - California - Proposition 65 - Developmental Toxicity

WARNING: This product contains chemicals known to the State of California to cause birth defects.

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

WARNING: This product contains chemicals known to the State of California to cause (Female) reproductive harm.

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

WARNING: This product contains chemicals known to the State of California to cause (Male) reproductive harm.

Copper (7440-50-8):

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

U.S. - Pennsylvania - RTK (Right to Know) List

#### Canadian Regulations

C38000:

WHMIS Classification Uncontrolled product according to WHMIS classification criteriaCopper (7440-50-8):

Copper (7440-50-8):

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 1 %

WHMIS Classification Uncontrolled product according to WHMIS classification criteria

Lead (7439-92-1):

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 0.1 %

WHMIS Classification Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

Class D Division 2 Subdivision B - Toxic material causing other toxic effects

**16. Other information**

Issue Date: May 31, 2015

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