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

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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>OSHA</th>
<th>NTP</th>
<th>IARC</th>
<th>TARGET ORGAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>N</td>
<td>N</td>
<td>2B</td>
<td>Lung, stomach, kidney</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Ingredient Name (Common Name)</th>
<th>CAS Number</th>
<th>Percent by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>7440-50-8</td>
<td>99.9</td>
</tr>
<tr>
<td>Lead</td>
<td>7439-92-1</td>
<td>15 lbs. max. per 100 ft. of copper surface</td>
</tr>
</tbody>
</table>

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 (H2S) may be generated (see section 2 of this MSDS for more H2S information) when and if the product is heated above 450º 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   OSHA (PEL)   ACGIH (TLV)
Copper Dust                  7440-50-8    TWA = 1 mg/m³   TWA = 1 mg/m³
Copper Fume                  7440-50-8    TWA = 0.1 mg/m³  TWA = 0.2 mg/m³
Lead                        7439-92-1    TWA = 50 mg/m³  TWA = 0.15 mg/m³

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

9. Physical and chemical properties
   Physical State: Solid
   Odor: Odorless
   pH: Not applicable
   MELTING: Copper 1949º F, lead 621ºF
   Solubility in Water: Negligible
   Flash Point (Method Used) Not applicable*

   Appearance: Reddish Yellow
   Odor Threshold: Not applicable
   Evaporation Rate: Not applicable
   Vapor Pressure (mm Hg.): Not Applicable
   Specific Gravity (H₂O O = 1) Copper 8.9 lead 11.0

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 criteria
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
Revision Date: May 31, 2015

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