

**1. Identification**

Product Identifier: **C-Fab 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**

Health studies have shown that individual sensitivities vary from person to person. As a precaution, exposure to vapors, liquids, mists, or fumes should be minimized

**IARC:** In March 1987, the International Agency for Research on Cancer (IARC) classified extracts of steam and air refined bitumens (such as cutback asphalts) as possibly carcinogenic to humans (Group 2B). This classification was based on a combined evaluation of published human and animal studies. IARC concluded that the human studies did not provide adequate evidence that extracts of steam and air-refined bitumens caused cancer in humans. No epidemiological study of workers exposed only to bitumens is available. The 2B classification was substantially based on experimental animal studies.

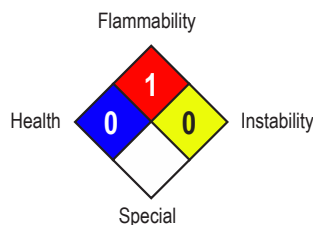
**ACGIH, NTP, OSHA:** No components listed as carcinogens hydrocarbons, which have been shown.

**WARNING:** Hydrogen sulfide (H2S), an extremely flammable, colorless, highly toxic gas, is emitted from heated (above 450°F) asphalt and may accumulate in storage tanks and bulk transport compartments. Prolonged breathing (greater than 1 hour) of concentrations of H2S around 50 ppm can produce eye and respiratory tract (mouth, nose and throat) irritation, and at high concentration (around 100 ppm) can result in rapid unconsciousness and death. Since the sense of smell becomes rapidly insensitive to H2S, its odor cannot be relied upon as an indicator of its concentration. Always use caution when working around closed bulk containers of asphalt. Use ventilation or work upwind from sources of fumes or vapors. Use supplied air respirators or self-contained breathing apparatus if the PEL or TLV for H2S is exceeded.

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

Health	1
Flammability	2
Physical Hazard	0
Personal Protection	X



**HMIS & NFPA Hazard Rating Legend**

- \* = CHRONIC HEALTH HAZARD
- 0 = INSIGNIFICANT
- 1 = SLIGHT
- 2 = MODERATE
- 3 = HIGH

**POTENTIAL HEALTH EFFECTS:**

**Eyes:** Asphalt components, fibers and fillers can cause severe irritation, redness, tearing and blurred vision.

**Skin:** Possible mechanical irritant.

**Inhalation:** Possible respiratory irritant.

**Ingestion:** An irritant.

**Carcinogenicity:** IARC classifies extracts of steam and air refined bitumens (such as cutback asphalts) as possibly carcinogenic to humans (Group 2B).

## GHS Ratings:

**Flammable solid:** 2  
**Oral Toxicity:** Acute 4  
**Serious eye irritation:** 2

## GHS Hazards:

**H228** Flammable solid  
**H302** Harmful if swallowed  
**H319** Causes serious eye irritation

## GHS Precautions:

**P210** Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
**P240** Ground/bond container and receiving equipment  
**P241** Use explosion-proof electrical/ventilating/lighting/.../equipment  
**P264** Wash hands thoroughly after handling  
**P270** Do not eat, drink or smoke when using this product  
**P280** Wear protective gloves/protective clothing/eye protection/face protection  
**P330** Rinse mouth  
**P301+P312**  
 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell  
**P305+P351+P338**  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P337+P313**  
 IF eye irritation persists: Get medical advice/attention  
**P370+P378**  
 In case of fire: Use foam, carbon dioxide, dry chemical or water for extinction  
**P501** Dispose of contents/container to local regulations

**Signal Word:** Warning



### 3. Composition/Information on Ingredients

COMPONENT	CAS NO.	ACGIH TLV	APPROX. WT% CONCENTRATION
Copper	7440-50-8	N/A	85%
Fiberglass Fabric	65997-17-3	10 mg/m <sup>3</sup> (dust)*	5%
Petroleum Asphalt	8052-42-4	5 mg/m <sup>3</sup> (fume)*	10%

### 4. First-Aid Measures

**Eyes:** Flush with large amounts of water for at least 15 minutes. **Get medical attention.**

**Skin:** Wash with soap and water or use waterless hand cleaner. Do not use solvents or thinners to clean skin. If irritation persists, **seek medical attention.**

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. **Seek medical attention.**

**Ingestion:** If victim is conscious, give liquids. **Do not induce vomiting. Transport to hospital immediately. Get medical attention immediately. Get medical attention immediately.**

### 5. Fire-fighting measures

**Flash Point:** Greater than 450°F

**Auto Ignition Temperature:** Greater than 905°F

**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 E 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.

## 6. Accidental release measures

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Assure conformity with applicable governmental regulations.

**WASTE DISPOSAL METHODS:** No data found.

**CLEAN WATER ACT REQUIREMENTS:** No data found.

**RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) REQUIREMENTS:** No data found.

## 7. Handling and storage

**Handling Precautions:** Keep containers cool, dry and away from sources of ignition.

## 8. Exposure controls/personal protection

**ENGINEERING CONTROLS:** Do not store near heat, sparks, flame or strong oxidants.

**ADMINISTRATIVE CONTROLS:** No data found.

### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory Protection:** Not normally required. If required, use NIOSH approved dust respirator.

**Protective Gloves:** Use chemical-resistant gloves, if needed.

**Eye Protection:** Use safety glasses, splash goggles or face shield when eye contact may occur.

**Other Protective Equipment:** Use chemical-resistant apron or other impervious clothing, if needed.

**Personal Hygiene:** Cleanse skin thoroughly after contact, before breaks and meals, and at the end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

### VENTILATION

Normal ventilation is usually adequate.

## 9. Physical and chemical properties

The following are approximate or typical values and should not be used for precise design purposes:

**Boiling Range:** >450° F for Asphalt

**Vapor Pressure:** N/A

**Specific Gravity:** Greater than 1.00 for product

**Vapor Density:** N/A

**Molecular Weight:** N/A, complex mixture

**Percent Volatile by Vol:** N/A

**pH:** Not determined

**Solubility in Water @ ATM and 77° F:** Insoluble

**Evaporation Rate:** N/A

**Viscosity:** N/A, A composite sheet, a solid

## 10. Stability and reactivity

**STABILITY:** Stable – Upon heating above 450° F hydrogen sulfide gas (H<sub>2</sub>S) may be generated. See section E of this MSDS for more information on H<sub>2</sub>S.

**HAZARDOUS DECOMPOSITION:** Carbon monoxide and dioxide, oxides of nitrogen and sulphur, hydrocarbons from combustions.

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** Avoid all sources of ignition.

**INCOMPATIBLE MATERIALS:** Avoid contact with strong oxidizing agents such as: liquid chlorine, concentrated oxygen, sodium or calcium, hypochlorite.

## 11. Toxicological information

**Routes of entry:** Eyes, Ingestion

**Target organs:** Eyes, digestive tract.

**Overexposure:** Persons with a history of chronic skin or respiratory disorders may be at increased risk for worsening their conditions from exposure to this product

**Carcinogenicity:** IARC classifies extracts of steam and air refined bitumens (such as cutback asphalts) as possibly carcinogenic to humans (Group 2B).

**12. Ecological Information**

No data found.

**13. Disposal Considerations**

No data found.

**14. Transport information**

Refer to latest Department of Transportation Guidebook for Hazardous Materials Incidents, DOT P 5800.3. Not listed as a hazardous material by Federal DOT.

Product label should say: **CAUTION! CONTAINS PETROLEUM ASPHALT!**

**15. Regulatory Information**

No data found.

**16. Other information**

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