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# Material Safety Data Sheet

Copper & Brass Sales -- Tough Pitch Copper Strip, Wire, Bar (C1100)

Material Safety Data Sheet

Part Number/Trade Name : Tough Pitch Copper Strip, Wire, Bar

## 1. Product and Company Identification

- ① Item Name : Tough Pitch Copper Strip, Wire, Bar (C1100)
- ② Company's Name : POONGSAN CORPORATION
- ③ Company's Address : 611, Daejung-Ri, Onsan-Up, Ulju-Kun, Ulsan, 689-890, SOUTH KOREA
- ④ Phone Number : 81-52-231-9302
- ⑤ Fax Number : 81-52-231-9400

## 2. Composition

Element	Elementary Symbol	CAS Number	Content
Copper	Cu	7440-50-8	Min 99.9%

## 3. Hazard Identification

- ① Route Of Entry
  - Inhalation: YES
  - Skin: YES
  - Ingestion: YES
- ② Health Hazard Acute and Chronic
  - Copper Inhalation : Fumes may cause metal fume fever.
  - Skin: Dermatitis, Keratinization of the hands & the soles of the feet.
  - Copper dust & fume cause irritation of the upper respiratory tract.
- ③ Carcinogenicity : None

## 4. First Aid Measures

- ① Inhalation : Breathing difficulty caused by inhalation of particulate requires immediate removal to fresh air. If breathing has stopped, perform artificial respiration and obtain medical help
- ② Ingestion : Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.
- ③ Skin : Thoroughly wash skin cuts or wounds to remove all particulate debris from the wound. Seek medical attention for wounds that cannot be thoroughly cleansed. Treat skin cuts and wounds with standard first aid practices such as cleansing, disinfecting and covering to prevent wound infection and contamination before continuing work. Obtain medical help for persistent irritation. Material accidentally implanted or lodged under the skin must be removed.
- ④ Eyes : Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

## 5. Fire Fighting Measures

- ① Unusual Fire And Explosion Hazards : Solid massive form isn't combustible. Molten metal may react violently water.
- ② Extinguishing Media : Use special mixtures of dry chemical/sand.
- ③ Special Fire Fighting Procedures : Pressure-demand self-contained breathing apparatus must be worn by firefighters or any other persons potentially exposed to the metal fumes or dust release during or after a fire.

## 6. Accidental Release Measures

- ① Steps If Material Released or Spill : Remove by vacuuming/wet sweeping to Prevent heavy concentration of airborne dust. If liquids containing solubilized metal are spilled evacuate area. Absorb by means of vermiculite, dry sand/similar material

## 7. Handling and Storage

- ① Handling : Particulate may enter the body through cuts, abrasions or other wounds on the surface of the skin. Wear gloves when handling parts with loose surface particulate or sharp edges.
- ② Storage : Store in a dry area.

## 8. Exposure Controls, Personal Protection

- ① Allowing concentration
  - TWA :  $10\text{mg}/\text{m}^3$  (Total Dust, OSHA Standard)
- ② Respiratory Protection : If exposure above the PEL/TLV, wear NIOSH/MSHA approved respirator.
- ③ Ventilation : Local exhaust ventilation.
- ④ Personal Protection
  - Protective Gloves : Required
  - Eye Protection : Safety glasses W/side shields
  - Other Protective Equipment : Face shields, specially tinted glass.

## 9. Physical And Chemical Properties

- |   |                                     |
|---|-------------------------------------|
| ① Physical State : Solid                | ⑥ Evaporation Rate : Not Applicable |
| ② pH : Not Applicable                   | ⑦ Freezing Point : Not Applicable   |
| ③ Melting Point : $1,083^\circ\text{C}$ | ⑧ Radioactivity : Not Applicable    |
| ④ Density : 8.94                        | ⑨ Solubility : None                 |
| ⑤ Odor : None                           | ⑩ Vapor Pressure : Not Applicable   |

## 10. Stability And Reactivity

- ① General Reactivity : The Material is stable
- ② Incompatibility : Reacts with some acids and caustic solutions to produce hydrogen gas.  
Hydrogen gas can be an explosion hazard
- ③ Hazardous Decomposition Products : None under normal conditions of use
- ④ Hazardous Polymerization : Will not occur

## 11. Toxicological information

- ① No human data are available for this product

## 12. Ecological Information

- ① This material is recyclable

## 13. Disposal Considerations

- ① Waste Disposal Method : Dispose of low/federal, State & local regulations
- ② Byproduct Recycling : When recycled(used in a process to recover metals), this material is not classified as hazardous waste under federal law. Seal particulate or particulate containing materials inside two plastic bags, place in a DOT approved container, and label appropriately.
- ③ Solid Waste Management : When spent products are declared solid wastes (no longer recyclable), they must be labeled, managed and disposed of, in accordance with federal, state and local requirements.

## 14. Transport Information

- ① None reported

## 15. Regulatory Information

- ① Occupational Safety and Health Administration
  - Air contaminants, 29 CFR 1910.1000
  - Hazard Communication Standard, 29 CFR 1910.1200

## 16. Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make 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. If you require more information, please contact us at the location listed on the page of this report.