

**G&H® Wire Company**2165 Earlywood Drive
Franklin, IN 46131

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MATERIAL SAFETY DATA SHEET DIRECTIVE 91/155/EEC

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

- 1.1 Chemical Nature, Sales Name, Use: Metal, brass 260 alloy, dental products
- 1.2 Company Identification:
G&H Wire Company
P.O. Box 248
Greenwood, Indiana 46142
Telephone: 317-346-6655
Facsimile: 317-346-6663
- 1.3 Emergency Contact: 317-346-6655

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Element</u>	<u>Composition</u>	<u>TLV</u>
Copper	70 %	1 mg/m ³ for dust, 0.1 mg/m ³ for fumes
Zinc	30 %	5 mg/m ³ for fumes

3. HAZARDS IDENTIFICATION

Inhalation – Sneezing, cough, congestion, nausea, metallic taste, chills, fever, muscular pain, marked thirst. Not known to be carcinogenic.

4. FIRST-AID MEASURES

- 4.1 Inhalation: Move person to fresh air until recovered. Consult a physician.
- 4.2 Skin Contact: Wash with water and mild detergent.
- 4.3 Eye Contact: Flush thoroughly with water, consult a physician.
- 4.4 Ingestion: Drink water and induce vomiting. Consult a physician if it occurs.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media: N/A
- 5.2 Unsuitable Extinguishing Media: N/A
- 5.3 Particular Hazards: See step 3
- 5.4 Protective Equipment for Fire-Fighters: N/A

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions:
Ventilation:

If your process causes a release of dust or fume, use local and general exhaust ventilation to keep airborne concentrations of dust or fumes below the TLV.

Respiratory Protection:

If your process causes a release of dust or fume in excess of the permissible exposure limit, use approved respirators for protection against airborne dust or fumes should be worn. Respirators should be used in accordance with 29CFR 1910.134.

Protective Equipment:

Gloves and barrier creams may be necessary to prevent skin sensitization and dermatitis. If your process involves grinding or any other action that causes the release of dust or fumes, approved safety glasses or goggles should be worn.

6.2 Environmental Precautions: No hazard

6.3 Cleaning Methods: N/A

7. HANDLING AND STORAGE

7.1 Handling: See step 6.1

7.2 Storage: N/A

7.3 Storage Conditions: N/A

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Minimize contact as outlined in step 6.1

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Form: Solid

Color: Metallic

Odor: Odorless

9.2 Change of State: liquid

Melting Point/Range: HIGH

Boiling Point: HIGH

9.3 Flash Point: N/A

9.4 Ignition Point: N/A

9.5 Vapor Pressure (20°C): NIL

9.6 Density (20°C): 8.5 to 8.9 specific gravity

9.7 Solubility in: Water (20°C): insoluble
Organic Solvent (20°C): insoluble

9.8 PH-Value (at 10g/1H₂O): N/A

9.10 Viscosity (20°C): solid

10. STABILITY AND REACTIVITY

10.1 Thermal Decomposition: Fumes

10.2 Conditions to Avoid: None

10.3 Materials to Avoid: acetylene, chlorine

10.4 Hazardous Decomposition Products: Zinc and Copper fumes

11. TOXICOLOGICAL INFORMATION

11.1 Oral Toxicity: Not known

11.2 Inhalation: Reference Step 3 and Step 6.1

11.3 Skin Irritation: Not known

11.4 Sensitization: Not known

- 11.5 Eye Irritation: Reference Step 3 and Step 6.1
- 11.6 Further Details:

12. ECOLOGICAL INFORMATION

- 12.1 Acute Toxicity in Fish (LC-50/48h): not defined
- 12.2 Bacteria Toxicity (EC-0): not defined
- 12.3 Biodegradability: not defined
- 12.4 Further Details:

13. DISPOSAL CONSIDERATIONS

- 13.1 Product: In accordance with state, local, and federal regulations.
- 13.2 Packaging: In accordance with state, local, and federal regulations.
- 13.3 Waste Disposal Code: In accordance with state, local, and federal regulations.

14. TRANSPORT INFORMATION

- 14.1 Overland Transport ADR/RID/GGVS/GGVE:
- 14.2 Sea Transport GGVSEA/IMDG-Code:
- 14.3 Air Transport ICAO/IATA-DGR:
- 14.4 Inland Waterway Transport ADNR:
- 14.5 Further Details: Product is not considered dangerous for transport

15. REGULATORY INFORMATION

Preparation as defined by the (German) Chemicals Act (dated 4/03/1990).

- 15.1 Labeling: N/A
 - Product Contains:
 - Danger Symbol:
 - R-Sentences R36/37/38:
 - S-Sentences S26:
 - S-Sentences S28:
- 15.2 National Regulation:
 - VbF:
 - TA-Air:
 - Water Pollution 1:

16. OTHER INFORMATION

- 16.1 The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. Therefore, it should not be construed as guaranteeing specific properties.
- 16.2 Revision Date: November 28, 2006