



# HUSSEY COPPER LTD.

BY: HUSSEY COPPER CORP. GENERAL PARTNER  
LEETSDALE, PA 15056

M.S.D.S. HC-85-200

DATE: 3/26/85

REV. DATE: 11/11/85

REVISION NO.: 1

## MATERIAL SAFETY DATA SHEET

### SECTION I

**MANUFACTURER'S NAME:** HUSSEY COPPER LTD.  
**ADDRESS:** Washington Street LEETSDALE, PA. 15056  
**EMERGENCY PHONE NO.:** 412-857-4200  
**CHEMICAL NAME AND SYNONYMS:** COPPER, CAS #7440-50-8; ZINC, CAS#7440-66-6  
**TRADE NAME AND SYNONYMS:** Gilding, commercial bronze, red brass, low brass, cartridge brass, yellow brass. CDA Alloy 210, 220, 226, 230, 240, 260, 268  
**CHEMICAL FAMILY:** COPPER AND ZINC

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	TLV	
		PPM	Mg/M <sup>3</sup>
Copper	96.0 to 65.0		See Section V
Zinc	4.0 to 35.0		

### HAZARDOUS MIXTURES OF OTHERS LIQUIDS, SOLIDS, OR GASES:

If exposure to copper and zinc dust/fume are kept below TLV's, all trace elements should not pose any health risk.

### SECTION III - PHYSICAL DATA

ALLOY	210	220	226	230	240	260	268
MELTING	1920	1870	1840	1810	1770	1680	1660
Vapor Pressure (mm Hg.)	negligible						
Solubility in Water	negligible						
Specific Gravity (H <sup>2</sup> O = 1)	8.86	8.80	8.78	8.75	8.67	8.53	8.47

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used)** Not applicable  
**Extinguishing Media** Not applicable  
**Special Fire Fighting Procedures** Not applicable  
**Unusual Fire and Explosion Hazards** Not applicable

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**SECTION V - HEALTH HAZARD DATA**

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**THRESHOLD LIMIT VALUE:** Copper, Dust 1Mg/M<sup>3</sup> Fume 0.1 Mg/M<sup>3</sup> Zinc, Fume 5 Mg/M<sup>3</sup>

**EFFECT OF OVERDOSE:** Fume and dust - sneezing, cough, congestion, nausea, Metallic tastes, chills, fever, muscular pain, marked thirst. Not known to be carcinogenic.

**EMERGENCY AND FIRST AID PROCEDURES:**

Skin / flush thoroughly with water. Eyes / flush with water, call physician.  
Ingestion - drink water induce vomiting, call Physician. Inhalation - remove victim to fresh air, call Physician.

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**SECTION VI - REACTIVITY DATA**

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**STABILITY - Stable**

**INCOMPATIBILITY (material to avoid):** (Dust & Fume) acetylene, chlorine

**HAZARDOUS DECOMPOSITION PRODUCTS :** Copper Fume/Zinc Fume

**HAZARDOUS POLYMERIZATION - Will Not Occur**

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**SECTION VII - SPILL OR LEAK PROCEDURES**

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**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.

**WASTE DISPOSAL METHOD:**

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.

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**SECTION VIII - SPECIAL PROTECTION INFORMATION**

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**RESPIRATORY PROTECTION (Specify Type) :** dust or fume - NIOSH/MSHA approved dust/fume respirator

**VENTILATION - Local Exhaust:** dust/fume - if TLV values exceeded

**EYE PROTECTION:** (dust) goggles

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**SECTION IX - SPECIAL PRECAUTIONS**

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Avoid breathing dust or fumes. Do not take internally.  
Preclude from exposure to fume and dust those individuals with pulmonary and cardiac diseases.