



# HUSSEY COPPER LTD.

LEETSDALE, PA 15056

## MATERIAL SAFETY DATA SHEET

### SECTION I

**MANUFACTURER'S NAME:** HUSSEY COPPER LTD.

**ADDRESS:** 100 WASHINGTON STREET, LEETSDALE, PA 15056

**EMERGENCY PHONE NO.:** 724-251-4200

**CHEMICAL NAME AND SYNONYMS:** COPPER

**TRADE NAME AND SYNONYMS:** (OFHC) (DHP) (ETP) Electrolytic Tough Pitch CDA Alloy  
101, 102, 104, 105, 107, 110\*, 113, 114, 115, 116, 120, 122, 194,  
\*Inclusive Alloy 110 Silver Plate  
Copper plus silver – All grades of copper covered (including silver bearing - (104, 105, 107, 113, 114, 115, 116) are expected to contain less than .1% silver.

**CHEMICAL FAMILY:** COPPER

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	CAS NO.	OSHA-PEL / ACGIH-TLV
Base Metal Copper	99.9	7440-50-8	See Section V

**HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES:** If exposure to copper dust/fume is kept below Permissible Exposure Limits (PEL)/Threshold Limit Value (TLV) all trace elements should not pose any health risk. \*Chemical(s) listed as a toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

### SECTION III - PHYSICAL DATA

Melting Point: 1949° F

Vapor Pressure (mm Hg.) Not Applicable

Solubility in Water: Negligible

Specific Gravity (H<sub>2</sub>O = 1) 8.9

### 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

**\*Under normal conditions. Heavy concentrations of fine copper dust may cause flash fire if exposed to ignition source.**

## SECTION V - HEALTH HAZARD DATA

**EXPOSURE LEVELS:** Copper dust and mists - OSHA (PEL): TWA = 1 mg/m<sup>3</sup>. ACGIH (TLV): TWA = 1 mg/m<sup>3</sup>.  
Copper fumes - OSHA (PEL): TWA = 0.1 mg/m<sup>3</sup>. ACGIH (TLV): TWA = 0.2 mg/m<sup>3</sup>.

**CARCINOGENICITY:** Not listed as a carcinogen in NTP, IARC Monographs, or OSHA

**EFFECTS OF OVEREXPOSURE (ACUTE):** Fumes and dust – Sneezing, cough, congestion, nausea, metallic taste, irritation of upper respiratory tract, chills, fever

**EMERGENCY 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.

Copper fumes, dusts and mists are listed by OSHA as air contaminants (29 CFR 1910.1000 Sub-part Z)

**PRIMARY ROUTE(S) OF ENTRY:** Inhalation

## SECTION VI - REACTIVITY DATA

**STABILITY:** Stable

**INCOMPATIBILITY:** (Material to avoid): Dust and fumes: acetylene, chlorine - Metals: acids and oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Copper fumes/dust.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## SECTION VII - SPILL OR LEAK PROCEDURES

**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.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION (DUST/FUME):** Dust or fume: NIOSH/MSHA approved, dust/fume respirator.

**VENTILATION (DUST/FUME):** Local exhaust - if exposure levels exceeded.

**EYE PROTECTION (DUST):** Goggles.

## SECTION IX - SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Avoid breathing dust or fumes. Do not take internally. Practice good housekeeping and personal hygiene procedures.