


HUSSEY COPPER LTD.

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

Copper Page 1

M.S.D.S. HC-85-155

405842/735-002

DATE: 3/26/85

REV. DATE: 4/21/86

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
TRADE NAME AND SYNONYMS: SUPER SILVER COPPER CDA ALLOY 155

CHEMICAL FAMILY:

COPPER

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	CAS NO.	OSHA-PEL/ACGIH-TLV
Base Metal Copper	99.75* MIN	7440-50-8	Exposure Levels See Section V

HAZARDOUS MIXTURES OF OTHERS 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.

* Copper plus silver - 155 copper is expected to contain less than .1% silver.

SECTION III - PHYSICAL DATA

MELTING 1972° F
Vapor Pressure (mm Hg.) Not applicable
Solubility in Water negligible
Specific Gravity (H²O = 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.
 (over)

Copper Page 2

SECTION V - HEALTH HAZARD DATA**EXPOSURE LEVELS:**

Copper dusts and mists - OSHA (PEL): TWA • 1MG/M³, ACGIH (TLV): TWA • 1 MG/M³
 Copper fume - OSHA (PEL): TWA • 0.1 MG/M³, ACGIH (TLV): TWA • 0.2 MG/M³

CARCINOGENICITY:

Not listed as a carcinogenic in NTP or IARC monographs.

EFFECT OF OVERDOSE:

Fume and dust - sneezing, congestion, nausea, metallic taste, chills, fever.

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.
 Copper fume, dusts and mists are listed by OSHA as air contaminants.

PRIMARY ROUTE(S) OF ENTRY: Inhalation

SECTION VI - REACTIVITY DATA

STABILITY - Stable

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

HAZARDOUS DECOMPOSITION PRODUCTS : Copper Fume/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 (Specify Type) : dust or fume - NIOSH/MSHA approved dust/fume respirator

VENTILATION - Local Exhaust: dust/fume - if exposure levels exceeded.

EYE PROTECTION: (dust) goggles

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid breathing dust or fumes. Do not take internally.