



HUSSEY COPPER LTD.

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

M.S.D.S. HC-85-700

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 ;NICKEL, CAS#7440-02-0

TRADE NAME AND SYNONYMS: Cupro Nickel 90/10, 70/30 CDA Alloy 706, 715

CHEMICAL FAMILY: COPPER AND NICKEL

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT		PPM	TLV	Mg/M ³
Copper	86.5 min	65.0 min			See Section V
Nickel	9.0-11.0	29.0-32.0			
Iron	1.0-1.75	1.0 max			
Manganese	.75 max	.25-1.0			

HAZARDOUS MIXTURES OF OTHERS LIQUIDS, SOLIDS, OR GASES:

If exposure to copper and nickel dust/fume is kept below TLV's Iron and Manganese along with other trace impurities should not pose any health risk.

SECTION III - PHYSICAL DATA

MELTING Alloy 706/ 2010° F Alloy 715/ 2140° F

Vapor Pressure (mm Hg.)

Solubility in Water negligible

Specific Gravity (H²O = 1) 8.94

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

SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Copper, Dust 1 Mg/M³, Fume 0.1 Mg/M³. Nickel 1 Mg/M³
Iron Oxide 5 Mg/M³ Manganese 5 Mg/M³

EFFECT OF OVERDOSE: Nickel is listed as reasonably anticipated carcinogenic. Gingivities, stomatitis, metallic taste, sneezing, congestion, nausea, chills, fever.

EMERGENCY AND FIRST AID PROCEDURES:

Skin: Flush thoroughly with water. Eyes: Flush with water, call Physician.
Ingestion - call Physician. Inhalation: Remove victim to fresh air, call Physician.

SECTION VI – REACTIVITY DATA

STABILITY - Stable

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

HAZARDOUS DECOMPOSITION PRODUCTS : Copper Fume

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 TLV values 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.
Preclude from exposure to fume and dust those individuals with diseases of the skin, sinuses and lunas.