MATERIAL SAFETY DATA SHEET

SECTION 1

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

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>PERCENT</th>
<th>PPM</th>
<th>TLV</th>
<th>Mg/M³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>86.5 min</td>
<td>65.0 min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nickel</td>
<td>9.0-11.0</td>
<td>29.0-32.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td>1.0-1.75</td>
<td>1.0 max</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manganese</td>
<td>.75 max</td>
<td>.25-1.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Vapor Pressure (mm Hg.)</th>
<th>Alloy 706/ 2010° F</th>
<th>Alloy 715/ 2140° F</th>
</tr>
</thead>
</table>

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/M$^3$, Fume 0.1 Mg/M$^3$. Nickel 1 Mg/M$^3$. Iron Oxide 5 Mg/M$^3$. Manganese 5 Mg/M$^3$.

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

EMERGENCY AND FIRST AID PROCEDURES:

SECTION VI - REACTIVITY DATA

STABILITY - Stable

INCOMPATABILITY (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.