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

<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>96.0 to 65.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc</td>
<td>4.0 to 35.0</td>
<td></td>
<td></td>
<td>See Section V</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>ALLOY</th>
<th>MELTING</th>
<th>Vapor Pressure (mm Hg.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>210</td>
<td>1920</td>
</tr>
<tr>
<td></td>
<td>220</td>
<td>1870</td>
</tr>
<tr>
<td></td>
<td>226</td>
<td>1840</td>
</tr>
<tr>
<td></td>
<td>230</td>
<td>1810</td>
</tr>
<tr>
<td></td>
<td>240</td>
<td>1770</td>
</tr>
<tr>
<td></td>
<td>260</td>
<td>1680</td>
</tr>
<tr>
<td></td>
<td>268</td>
<td>1660</td>
</tr>
</tbody>
</table>

Solubility in Water: negligible
Specific Gravity (H₂O = 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
SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:
Copper, Dust 1 Mg/M³ Fume 0.1 Mg/M³ Zinc, Fume 5 Mg/M³

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.

SECTION VI - REACTIVITY DATA

STABILITY - Stable

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

HAZARDOUS DECOMPOSITION PRODUCTS: Copper Fume/Zinc 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 Exhause: dust/fume - if TLV values exceeded

EYE PROTECTION: (dust) goggles

SECTION IX - SPECIAL PRECAUTIONS

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