

JUL-27-2006 13:06 FROM: ST LOUIS CRAFTS

1-314-638-2060

TO: 13093435785

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ST. LOUIS CRAFTS, INC.

60513-1040
- 2036
- 2038

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MSDS Sheet

*Revised Date
4-21-86*

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

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

Corrected. Most per

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SECTION V - HEALTH HAZARD DATA

EXPOSURE LEVELS: Copper dust and mists - OSHA (PEL): TWA = 1 MG/M³. ACGIH (TLV): TWA = 1 MG/M³.
Copper fumes - 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 OVEREXPOSURE: Fumes and dust - sneezing, cough, congestion, nausea, metallic tastes, 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 fume, 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 (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.
Practice good housekeeping and personal hygiene procedures.

Item Numbers: 60513-1040, 60513-2036, 60513-2103