MATERIAL SAFETY DATA SHEET

SECTION I. IDENTIFICATION OF PRODUCT
CHEMICAL NAME: Nickel - Cobalt Alloys
SYNONYM OR CROSS REFERENCE: N/A
FORMULA: NiCo

SECTION II. HAZARDOUS INGREDIENTS
MATERIAL: NiCo Foil or Powder
NATURE OF HAZARD: N/A

SECTION III. PHYSICAL DATA
BOILING POINT: Ni: 2730°C; Co 2870°C
MELTING POINT: Ni: 1453°C; Co 1495°C
VAPOR PRESSURE (mm Hg): Nil
SPECIFIC GRAVITY: 8.91 g/mL
VAPOR DENSITY (AIR = 1): N/A
PERCENTAGE VOLATILE BY VOLUME (%): N/A
WATER SOLUBILITY: Insoluble
EVAPORATION RATE: Nil
APPEARANCE: Silver - Grey Foil or Powder

SECTION IV. FIRE AND EXPLOSION HAZARD DATA
FLASH POINT (method used): N/A
FLAMMABLE LIMITS
N/A
Uel
N/A
Lel
N/A
FIRE EXTINGUISHING MEDIA: N/A
SPECIAL FIRE-FIGHTING PROCEDURES: Self-contained breathing apparatus

SECTION V. HEALTH HAZARD
THRESHOLD LIMIT VALUE: 0.05 mg/m³ TWA
HEALTH HAZARDS: Avoid inhalation, ingestion and skin contact
FIRST AID PROCEDURES: Skin: Flush with water; Ingestion: Contact poison control center; Inhaled: Move to fresh air
SECTION VI. REACTIVITY DATA

STABILITY: UNSTABLE CONDITIONS TO AVOID
STABLE
X Combustion

INCOMPATIBILITY (materials to avoid): Strong acids and oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Nickel and Cobalt.

HAZARDOUS MAY OCCUR CONDITIONS TO AVOID:
POLYMERIZATION: WILL NOT OCCUR X None

SECTION VII. SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: No special procedures

WASTE DISPOSAL METHOD: See local disposal regulations for toxic metal

DISPOSE OF BY MEANS AS TO COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS OR CONTACT AN APPROVED AND LICENSED DISPOSAL AGENCY.

SECTION VIII. PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type): Respirator for high dust level usage

VENTILATION: LOCAL X SPECIAL
None required MECHANICAL OTHER

PROTECTIVE GLOVES: Gloves recommended EYE PROTECTION: Safety glasses (ANSI Z87.1)

OTHER PROTECTIVE EQUIPMENT: None required

SECTION IX. HANDLING AND STORAGE PRECAUTIONS

STORAGE AND HANDLING: Keep container sealed when not in use

SECTION X. MISCELLANEOUS INFORMATION

INFORMATION FURNISHED BY: R.L. Blaine TITLE: Manager, Applications Development

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A/W #901135.011 For P/N 901135.001, Issued 3/30/04, Rev A 2 of 2 5" x 7" 110# Card Stock