MATERIAL SAFETY DATA SHEET

SECTION I. IDENTIFICATION OF PRODUCT
CHEMICAL NAME: Alumel Wire  FORMULA: Al Ni
SYNONYM OR CROSS REFERENCE: Alumel / Nickel Alloy

SECTION II. HAZARDOUS INGREDIENTS
MATERIAL: Alumel Wire  NATURE OF HAZARD: Irritant in powder form

SECTION III. PHYSICAL DATA
VAPOR PRESSURE (mm Hg): N/A  SPECIFIC GRAVITY: Al: 2.70, Ni: 8.90
VAPOR DENSITY (AIR = 1): N/A  PERCENTAGE VOLATILE BY VOLUME (%): N/A
WATER SOLUBILITY: Insoluble  EVAPORATION RATE: N/A
APPEARANCE: Silvery Metal

SECTION IV. FIRE AND EXPLOSION HAZARD DATA
FLASH POINT (method used): N/A  FLAMMABLE LIMITS
(°F) Not Applicable  Uel  Lel
FLAMMABLE LIMITS: Not Applicable
FIRE EXTINGUISHING MEDIA: N/A
SPECIAL FIRE-FIGHTING PROCEDURES: Self-contained breathing apparatus

SECTION V. HEALTH HAZARD
THRESHOLD LIMIT VALUE: Al: 10 mg/m³ TWA; Ni: 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
STABLE

CONDITIONS TO AVOID: Combustion

INCOMPATIBILITY (materials to avoid): Violent or Explosive Reactions

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Aluminum and nickel

HAZARDOUS MAY OCCUR CONDITIONS TO AVOID:

POLYMERIZATION: WILL NOT OCCUR

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): Respirators for high dust level usage

VENTILATION: LOCAL SPECIAL

MECHANICAL (general) OTHER

PROTECTIVE GLOVES: Gloves recommended

EYE PROTECTION: Safety glasses recommended

OTHER PROTECTIVE EQUIPMENT: None

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

The above information is believed to be accurate and represents the best information currently available to us. However, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

REV. NO. A DATE: 12/25/95 P/N 901142.001 REV A