MATERIAL SAFETY DATA SHEET

SECTION I. IDENTIFICATION OF PRODUCT

CHEMICAL NAME: Aluminum Metal  FORMULA: Al
SYNONYM OR CROSS REFERENCE: Aluminum

SECTION II. HAZARDOUS INGREDIENTS

MATERIAL: Aluminum  NATURE OF HAZARD: Inhalation of dust

SECTION III. PHYSICAL DATA

BOILING POINT: 2327°C  MELTING POINT: 660°C
VAPOR PRESSURE (mm Hg): 1mm at 1284°C  SPECIFIC GRAVITY: 2.5 - 2.9
VAPOR DENSITY (AIR = 1): N/A  PERCENTAGE VOLATILE BY VOLUME (%): 0
WATER SOLUBILITY: Insoluble  EVAPORATION RATE: 0
APPEARANCE: Silvery Metal

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): Not Applicable
(°F) Not Applicable  FLAMMABLE LIMITS: Uel  LeL
Not Applicable
FIRE EXTINGUISHING MEDIA: Dry Chemicals
SPECIAL FIRE-FIGHTING PROCEDURES: No special procedures

SECTION V. HEALTH HAZARD

THRESHOLD LIMIT VALUE: 2 mg/m³
HEALTH HAZARDS: 1. Explosion - Dust moderate hazard when exposed to fire or strong oxidants.
2. Inhalation - Large quantities of dust may cause pulmonary fibrosis.

FIRST AID PROCEDURES: Remove from exposure.
SECTION VI. REACTIVITY DATA

STABILITY: UNSTABLE
STABLE

CONDITIONS TO AVOID

X Strong oxidants, acids or alkalies

INCOMPATIBILITY (materials to avoid): Bromates, lodates or Ammonium Nitrate

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS MAY OCCUR CONDITIONS TO AVOID:

POLYMERIZATION: WILL NOT OCCUR

X

SECTION VII. SPILL AND DISPOSAL PROCEDURES

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

WASTE DISPOSAL METHOD: Separate from acidic solutions

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): (for dust only) Full respiratory pack

VENTILATION: LOCAL

X SPECIAL

MECHANICAL (general)

OTHER

PROTECTIVE GLOVES: Latex

EYE PROTECTION: Safety Glasses

OTHER PROTECTIVE EQUIPMENT: None

SECTION IX. HANDLING AND STORAGE PRECAUTIONS

STORAGE AND HANDLING: No special procedures

SECTION X. MISCELLANEOUS INFORMATION

INFORMATION FURNISHED BY: S.R. Sauerbrunn

TITLE: Applications Lab Group Leader

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