



Fisher Science Education  
6771 Silver Crest Road, Nazareth, PA 18064 (800) 955-1177  
Emergency Number: (800) 255-3924

## Material Safety Data Sheet

### Section 1 – Chemical Product and Company Identification

Catalog Numbers: S25150  
Product Identity: Aluminum Metal Pellets, Reagent grade

**Chemical Family:** No Information Available  
**Synonyms:** Noral aluminum, aluminum wire  
**Recommended Use:** Laboratory chemicals

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331, (866) 632-1291  
Emergency Contact Number (24hr): Chemtel (800) 255-3924

**Issue Date:** 07/09/12  
**Revision Date:**

### Section 2 – Hazard Identification

#### **Emergency Overview**

May cause irritation to the eyes, skin, respiratory and digestive tracts. Air and moisture sensitive.

**Appearance:** Silver solid **Odor:** Odorless

**Target Organs:** No information available

#### **Potential Health Effects/ Routes of Exposure:**

**Eyes:** May cause irritation.

**Skin:** May cause irritation.

**Ingestion:** May cause digestive tract irritation

**Inhalation:** May cause respiratory tract irritation.

**Chronic Effect / Carcinogenicity** No information available

**Aggravated Medical Conditions** No information available

See section 11 for toxicological information. See section 12 for potential environmental effects.

### Section 3 – Composition, Information on Ingredients

Aluminum, CAS# 7429-90-5

### Section 4 – First Aid

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

**Skin:** Flush with water for 15 minutes. Get medical assistance if irritation develops.

**Ingestion:** DO NOT Induce vomiting. Dilute with water or milk. Get medical assistance.

**Inhalation:** Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

**Notes to Physician** Treat symptomatically.

### Section 5 – Fire Fighting Measures

**Flash Point:** No information available

**Autoignition Temperature** 760C

**Explosion Limits Upper** No Information Available

**Lower** No Information Available

**Extinguishing Media:** Use dry chemical or other appropriate agent other than water to extinguish surrounding fire.

**Unsuitable Extinguishing Media:** Water,

**Fire & Explosion Hazards** Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Fire Fighting Instructions / Equipment:** Use normal procedures. Poisonous gases may be produced in fire. Use protective clothing. Use NIOSH-approved breathing equipment.

**Hazardous Combustion Products:** No information Available

**Sensitivity to mechanical impact** No information available.

**Sensitivity to static discharge** No information available.

**Specific Hazards Arising from the Chemical:** Thermal decomposition can lead to release of irritating gases and vapors

**NFPA Rating:** (estimated) Health: 0; Flammable: 1; Reactivity: 1

## **Section 6 – Accidental Release Measures**

**Personal Precautions** Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

**Environmental Precautions** No information available

**Methods for Containment and Clean Up.** Vacuum or sweep up material and place into a suitable, dry disposal container. Always obey local regulations.

## **Section 7 – Handling and Storage**

**Handling:** Wash thoroughly after handling. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.

**Storage:** Do not store near combustible materials. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from acids.

## **Section 8 – Exposure Controls, Personal Protection**

Aluminum, CAS# 7429-90-5, ACGIH TLV: 10mg/m<sup>3</sup>, OSHA PEL: 15mg/m<sup>3</sup>

**Engineering Measures/ General Hygiene:** Ensure ventilation is adequate. Ensure eyewash and safety showers are available.

**Personal Protection Equipment: Skin Protection:** Chemical resistant gloves.

**Eye/Face Protection:** Safety Glasses or goggles. **Respiratory Protection:** If exposure limits are reached use approved respirator

## **Section 9 – Physical and Chemical Properties**

**Appearance/Physical State:** Silver-gray powder

**Odor:** Odorless

**Boiling Point:** 2327 C

**Melting Point:** 660C

**Vapor Density:** No information available

**Evaporation Rate:** No Information Available

**pH:** No information available

**Flammability:** No Information Available

**Solubility:** insoluble  
available

**Relative Density:** No Information Available

**% Volatility:** No Information Available

**Specific Gravity:** 2.7020g/cm<sup>3</sup>

**Vapor Pressure:** Not Available

**Flash Point:** Not available

**Coefficient of water/oil distribution:** Not Available

**Odor Threshold:** Not Available

**Decomposition Temperature:** No Information Available

**Partition Coefficient n-octanol/water:** No data

**Molecular Weight:** 26.97

## **Section 10 – Stability and Reactivity**

**Chemical Stability:** Stable under normal temperatures and pressures. Air and moisture sensitive.

**Incompatible Materials:** Oxidizers

**Conditions to Avoid:** incompatible materials, exposure to air or water

**Hazardous Decomposition Products:** Aluminum Oxide

**Hazardous Polymerization:** Does not occur

