



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

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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/m³, OSHA PEL: 15mg/m³

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/cm³

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

Hazardous Reactions: None under normal processing.

Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness – See Section 2

LD50 orl-rat: Not available

LC50 inhalation-rat: NA

Irritation: No Information Available

Toxicologically Synergistic: No Information Available

Chronic Exposure

Carcinogenicity No information available

Sensitization No information available.

Mutagenic Effects No information available.

Reproductive Effects No information available.

Developmental Effects (Immediate/Delayed) No information available.

Teratogenicity No information available.

Other Adverse Effects No information available.

Endocrine Disruptor Information No information available

Section 12 – Ecological Information

Ecotoxicity: No Information Available.

Persistence and Degradability: No Information Available

Mobility: No Information Available

Bioaccumulation/ Accumulation: No Information Available

Section 13 – Disposal Considerations

Waste Disposal/Waste Disposal of Packaging: Clean up immediately. Sweep up and then place in suitable container. All chemical waster generators must determine whether a discarded chemical is classified as hazardous waste. Comply with all local, state, and federal regulations.

Section 14 – Transport Information

DOT – Not regulated

Section 15 – Regulatory Information (not meant to be all inclusive)

OSHA Status: These chemicals are not considered hazardous by OSHA.

Canada DSL: These chemicals are listed on Canada's DSL list.

TSCA: The components are listed on the TSCA Inventory List.

SARA Title III Section 313: Material contains Aluminum, which is subject to the reporting requirements.

RCRA Status: Not Applicable

CERCLA Reportable Quantity: No Information Available

WHMIS: Not controlled

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

Section 16 – Additional Information

Disclaimer: The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to determine the suitability and completeness of this information for his own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.