Section 1 — Chemical Product and Company Identification

Aluminum

Flinn Scientific, Inc.  P.O. Box 219  Batavia, IL  60510  (800) 452-1261
CHEMTREC Emergency Phone Number: (800) 424-9300

Section 2 — Composition, Information on Ingredients

Aluminum
Synonym: alumina fiber, aluminum powder
CAS#: 7429-90-5

Section 3 — Hazards Identification

Aluminum powder is a flammable solid.
Silvery odorless solid. Available as sheets, strips, foil, shots, wire, powder and granules.
Avoid inhaling dust.

Section 4 — First Aid Measures

Call a physician, seek medical attention for further treatment, observation and support after first aid.
Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.
Eye: Immediately flush with fresh water for 15 minutes.
External: Wash with soap and water.
Internal: Give large quantities of water. Call a physician or poison control at once.

Section 5 — Fire Fighting Measures

Aluminum, as dust, is a flammable solid.
Powder Autoignition Temperature: 1400 F
Fire Fighting Instructions: Use tricclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

Section 6 — Accidental Release Measures

Restrict unprotected personnel from area. Remove all ignition sources. Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

Section 7 — Handling and Storage

Flinn Suggested Chemical Storage Pattern: Inorganic #1. Store with metals and metal hydrides.

Section 8 — Exposure Controls, Personal Protection

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.
Section 9 — Physical and Chemical Properties
Silvery, odorless solid.
Specific Gravity: 2.70
Formula: Al
Formula Weight: 26.98

Section 10 — Stability and Reactivity
Contact with acids liberates flammable hydrogen gas.
Avoid contact with acids, acid chlorides, oxidizers, halogens.
Shelf Life: Indefinite.

Section 11 — Toxicological Information
Acute effects: N.A.
Chronic effects: N.A.
Target organs: N.A.
ORL-RAT LD50: N.A.
IHL-RAT LC50: N.A.
SKN-RBT LD50: N.A.
N.A. = Not available, not all health aspects of this substance have been fully investigated.

Section 12 — Ecological Information
Data not yet available.

Section 13 — Disposal Considerations
Please consult with state and local regulations.
Flinn Suggested Disposal Method #26a is one option.

Section 14 — Transport Information
Shipping Name: Aluminum powder
Hazard Class: 4.1, Flammable solid
UN Number: UN1309

N/A = Not applicable

Section 15 — Regulatory Information
TSCA-listed, EINECS-listed (231-072-3), RCRA code D001 (dust only).

Section 16 — Other Information
Consult your copy of the Flinn Scientific Catalog/Reference Manual for additional information about laboratory chemicals.
This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Flinn Scientific Inc. assumes no legal responsibility for use or reliance upon this data.