

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 76.00

Revision Date: December 18, 2013

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Antimony

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, inhalation (Category 3). Toxic if inhaled (H331). Avoid breathing dust or fumes (P261).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Antimony	7440-36-0	Sb	121.75	
Synonym: Stibium				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

**If on skin:** Wash with plenty of water.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solid. When heated or in contact with acid, may emit toxic fumes of Stibine (SbH<sub>3</sub>). Dust or powder is a fire/moderate explosion risk when exposed to heat or flame.

Autoignition Temp: 330 °C

**In case of fire:** Use graphite powder, sand or dolomite or Class D fire extinguishing material.

**NFPA CODE**  
None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Do not allow solid to become airborne. Ventilate area. Wipe up with moist towels, place in a sealed bag or container, and dispose. Wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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

Use and dispense powder or dust in a hood.

Store in a cool, dry place.

Keep container tightly closed (P233). Use only in a hood or in a well ventilated area (P271).

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection. Wash thoroughly after handling. Use only in a hood or in a well ventilated area (P271).

Exposure guidelines: PEL/TLV 0.5 mg/m<sup>3</sup> IDLH 50 mg/m<sup>3</sup> (OSHA, ACGIH)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Silvery or gray lustrous metal. Odorless.

Soluble: Insoluble in water.

Boiling point: 1587 °C

Melting point: 630 °C

Specific gravity: 6.68

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with oxidizers, acids, and halogens.

When heated or in contact with acid, emits toxic fumes of Stibine (SbH<sub>3</sub>).

Shelf life: Indefinite, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Toxic, irritant.

Chronic effects: Kidney damage, liver damage.

Target organs: Respiratory system, cardiovascular system, liver, kidneys.

ORL-RAT LD<sub>50</sub>: 7 g/kg

IHL-RAT LC<sub>50</sub>: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Toxic to aquatic organisms.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #27d is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Antimony Powder. Hazard class: 6.1, Keep away from food. UN number: UN2871.

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N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (231-146-5).

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**SECTION 16 — OTHER INFORMATION**

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

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