

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 77.00

Revision Date: December 13, 2013

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Antimony Potassium Tartrate

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, oral (Category 3). Toxic if swallowed (H301). Do not eat, drink, or smoke when using this product (P270).

Hazard class: Acute toxicity, inhalation (Category 4). Harmful if inhaled (H332). Avoid breathing dust or fumes (P261).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

| Component Name                        | CAS Number | Formula                           | Formula Weight | Concentration |
|---------------------------------------|------------|-----------------------------------|----------------|---------------|
| Antimony potassium tartrate           | 28300-74-5 | $C_8H_4K_2O_{12}Sb_2 \cdot 3H_2O$ | 667.86         |               |
| Synonym: Potassium antimonyl tartrate |            |                                   |                |               |

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** If breathing is difficult, remove victim to fresh air. Keep at rest in a position comfortable for breathing (P304+P341).

**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 (P330) Immediately call a POISON CENTER or physician (P312).

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solid.

When heated to decomposition, may emit toxic fumes.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

**NFPA CODE**

None

established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area. Wipe up dust with a damp paper towel to avoid generating dust. 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 #2. Store with acetates, halides, sulfates, sulfites, thiosulfates, and phosphates.

Store in a cool, dry place. Keep container tightly closed.

Use and dispense powder in a hood. Use only 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.

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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White crystals or powder. Odorless.

Specific gravity: 2.6

Soluble: Water and glycerol. Insoluble in alcohol.

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**SECTION 10 — STABILITY AND REACTIVITY**

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The poison gas stibine is formed by the action of acidic reducing agents on antimony compounds.

Shelf life: Indefinite, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Poison by ingestion, severe irritant, lack of coordination, unconsciousness, and possibly death.

ORL-RAT LD<sub>50</sub>: 115 mg/kg

Chronic effects: Anorexia, liver, kidney, lung, respiratory, gastrointestinal, central nervous system damage.

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

Target organs: liver, kidneys, heart.

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

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 Potassium Tartrate. Hazard class: 6.1, Keep away from food. UN number: UN1551.

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed.

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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.