



SDS #: 77

Revision Date: May 16, 2014

## Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

## Antimony Potassium Tartrate

**Signal Word**  
**DANGER**

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

Chemtrec Emergency Phone Number: (800) 424-9436

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	
Synonyms: 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 so. 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

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Do not allow solid to become airborne. 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 hands thoroughly after handling.

Exposure guidelines: PEL/TLV 0.5 mg/m<sup>3</sup> IDLH 50 mg/m<sup>3</sup>

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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

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

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

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

Target organs: liver, kidneys, heart.

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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.

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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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RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

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

N/A = Not applicable

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

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