

## 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 <sub>8</sub> H <sub>4</sub> K <sub>2</sub> O <sub>12</sub> Sb <sub>2</sub> •3H <sub>2</sub> O	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.

NFPA Code  
None established

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

---

## **SECTION 6 — ACCIDENTAL RELEASE MEASURES**

---

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.

---

## **SECTION 7 — HANDLING AND STORAGE**

---

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).

---

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

---

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>

---

## **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

---

White crystals or powder. Odorless.

Specific gravity: 2.6

Soluble: Water and glycerol. Insoluble in alcohol.

---

## **SECTION 10 — STABILITY AND REACTIVITY**

---

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

Shelf life: Indefinite, if stored properly.

---

## **SECTION 11 — TOXICOLOGICAL INFORMATION**

---

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.

---

## **SECTION 12 — ECOLOGICAL INFORMATION**

---

Toxic to aquatic organisms.

---

## **SECTION 13 — DISPOSAL CONSIDERATIONS**

---

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

Flinn Suggested Disposal Method #27d is one option.

---

## **SECTION 14 — TRANSPORT INFORMATION**

---

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

---

## **SECTION 15 — REGULATORY INFORMATION**

---

TSCA-listed, EINECS-listed.

---

## **SECTION 16 — OTHER INFORMATION**

---

This Safety Data Sheet (SDS) 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. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science

instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME 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.**

**Revision Date:** May 16, 2014

---