Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **ANTIMONY POTASSIUM TARTRATE**

Synonyms: Potassium Antimony Tartrate; Tartar Emetic
CAS No: 28300-74-5
Molecular Formula: $C_4H_4KO_7Sb$
RTK Substance No: 0145
Description: Odorless, colorless to white, crystalline powder

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
3 - Health **0 - Fire** **0 - Reactivity** **DOT#:** UN 1551 **ERG Guide #:** 151 **Hazard Class:** 6.1 (Poison)	Extinguish fire using an agent suitable for type of surrounding fire. **Antimony Potassium Tartrate** itself does not burn. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep fire-exposed containers cool.	**Antimony Potassium Tartrate** is not compatible with MINERAL ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); TANNIC ACID, PERCHLORIC ACID; ALKALI METALS (such as LITHIUM, SODIUM and POTASSIUM); CARBONATES (such as LIME WATER); LEAD; MERCURY; SILVER SALTS; and OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE). **Antimony Potassium Tartrate** can react with freshly formed HYDROGEN to form extremely flammable and poisonous *Stibine gas*.

SPILL/LEAKS

Isolation Distance:

Spill: 25 meters (75 feet)

Fire: 800 meters (1/2 mile)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.

DO NOT wash into sewer.

Antimony Potassium Tartrate is harmful to aquatic life at very low concentrations.

PHYSICAL PROPERTIES

Odor Threshold: Odorless

Flash Point: Nonflammable

Specific Gravity: 2.6 (water = 1)

Water Solubility: Soluble

Melting Point: 630° to 635°F (332° to 335°C)

Molecular Weight: 324.9

EXPOSURE LIMITS

OSHA: 0.5 mg/m^3, 8-hr TWA

NIOSH: 0.5 mg/m^3, 10-hr TWA

ACGIH: 0.5 mg/m^3, 8-hr TWA

IDLH: 50 mg/m^3

The Protective Action Criteria values are:

PAC-1 = 4.11 mg/m^3 PAC-2 = 6.86 mg/m^3

PAC-3 = 137 mg/m^3

PROTECTIVE EQUIPMENT

Gloves: Nitrile and Natural Rubber

Coveralls: Tyvek®

Respirator: >0.5 mg/m^3 - full facepiece APR with *P100 filters*

>50 mg/m^3 - SCBA

HEALTH EFFECTS

Eyes: Irritation and burns

Skin: Irritation, burns and rash

Inhalation: Nose, throat and lung irritation, with coughing, wheezing and shortness of breath

Headache, dizziness, nausea and vomiting

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

Remove contaminated clothing and wash contaminated skin with water.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.